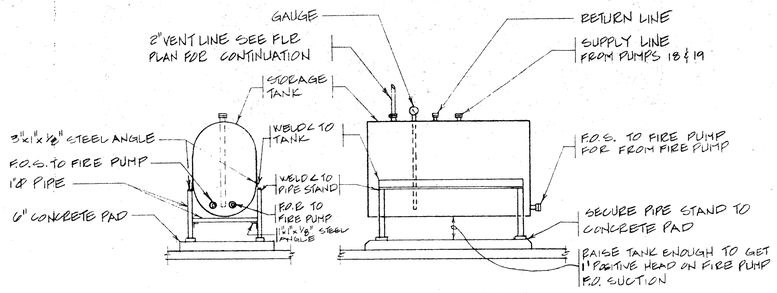


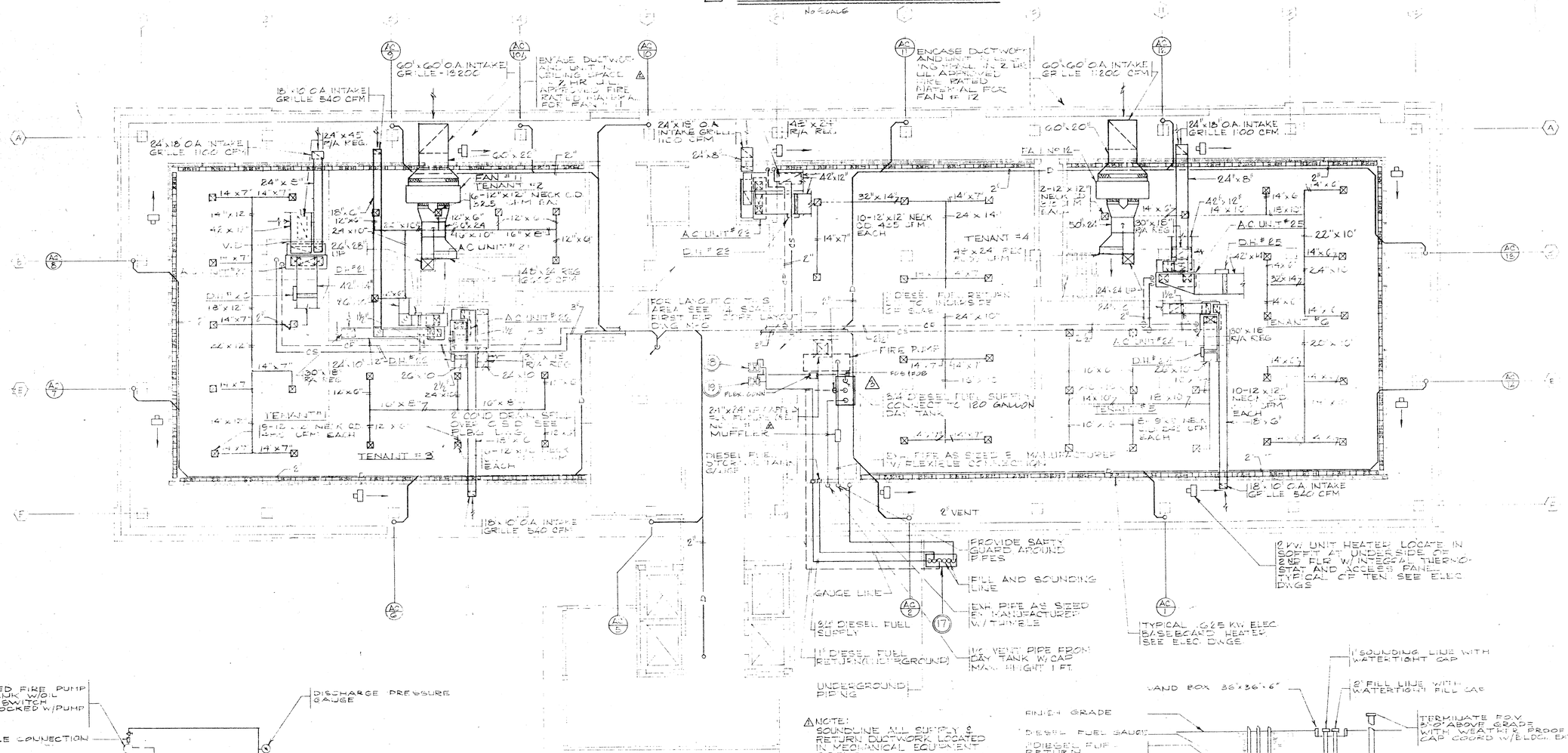
⚠5 FIRE PUMP OIL DAY TANK DETAIL

NO SCALE

NOTE:

⚠1. FUTURE KITCHEN EXHAUST DUCT. 16 GAUGE ALL WELDED BLACK STEEL

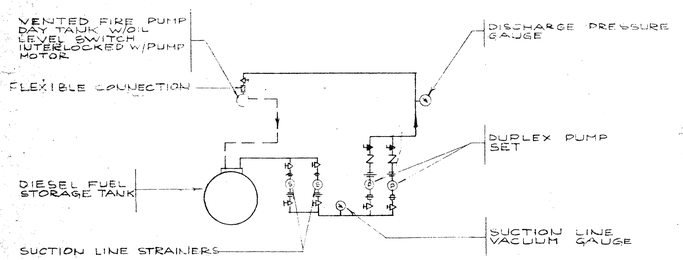
⚠2. DUCTWORK & DIFFUSERS FOR FIRST FLOOR ARE SHOWN FOR BUDGET PRICING ONLY. DO NOT PURCHASE OR INSTALL UNTIL TENANT LAYOUTS ARE COMPLETE



⚠NOTE:
SOUNDLINE ALL SUPPLY & RETURN DUCTWORK LOCATED IN MECHANICAL EQUIPMENT ROOMS.

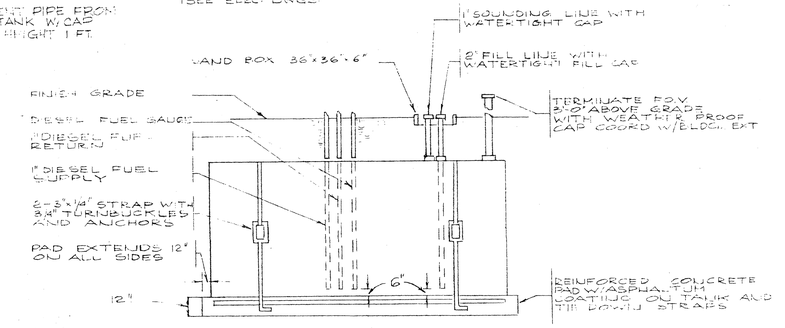
FIRST FLOOR PLAN

SCALE 1/8"-1'-0"



DIESEL FUEL FIRE PUMP PIPING HOOK-UP DETAIL

NO SCALE



EMERGENCY GENERATOR DIESEL FUEL STORAGE DETAIL

NO SCALE

Bucher Meyers + Associates Inc. Architects AIA

MONTROSE CENTER OFFICE BUILDING, ROCKVILLE, MD

FIRST FLOOR PLAN

2/19/79 - FOR CONSTRUCTION

date 1-10-79

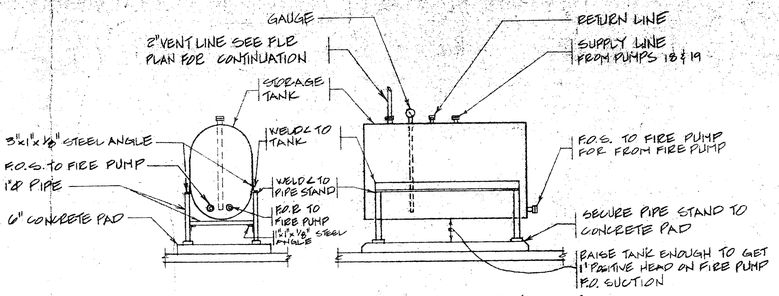
job number 7757

sheet number M-1

NOTE:

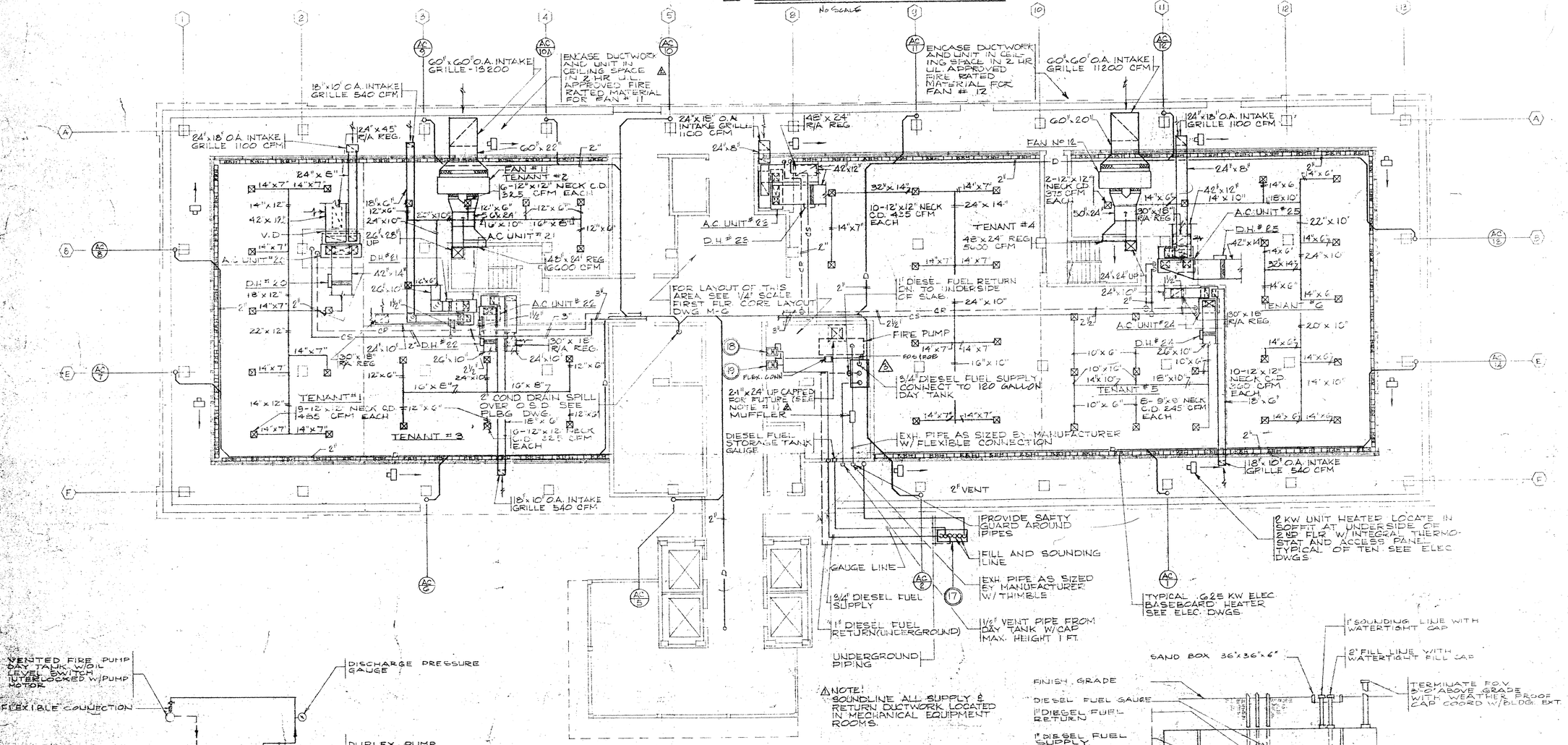
⚠1. FUTURE KITCHEN EXHAUST DUCT. 16 GAUGE ALL WELDED BLACK STEEL

⚠2. DUCTWORK & DIFFUSERS FOR FIRST FLOOR ARE SHOWN FOR BUDGET PRICING ONLY. DO NOT PURCHASE OR INSTALL UNTIL TENANT LAYOUTS ARE COMPLETE



⚠5 FIRE PUMP OIL DAY TANK DETAIL

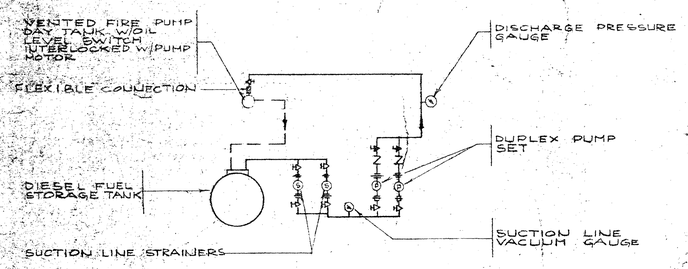
NO SCALE



⚠NOTE:
SOUNDLINE ALL SUPPLY & RETURN DUCTWORK LOCATED IN MECHANICAL EQUIPMENT ROOMS.

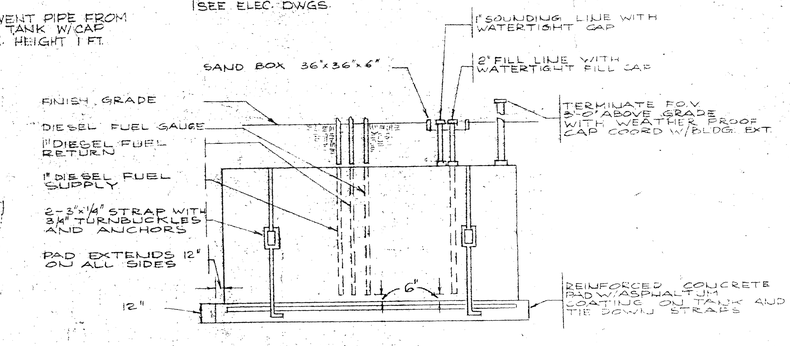
FIRST FLOOR PLAN

SCALE 1/8"=1'-0"



DIESEL FUEL FIRE PUMP PIPING HOOK-UP DETAIL

NO SCALE



EMERGENCY GENERATOR DIESEL FUEL STORAGE DETAIL

NO SCALE

Bucher Meyers Associates Inc. Architects AIA

MONTROSE CENTER OFFICE BUILDING ROCKVILLE MD

FIRST FLOOR PLAN

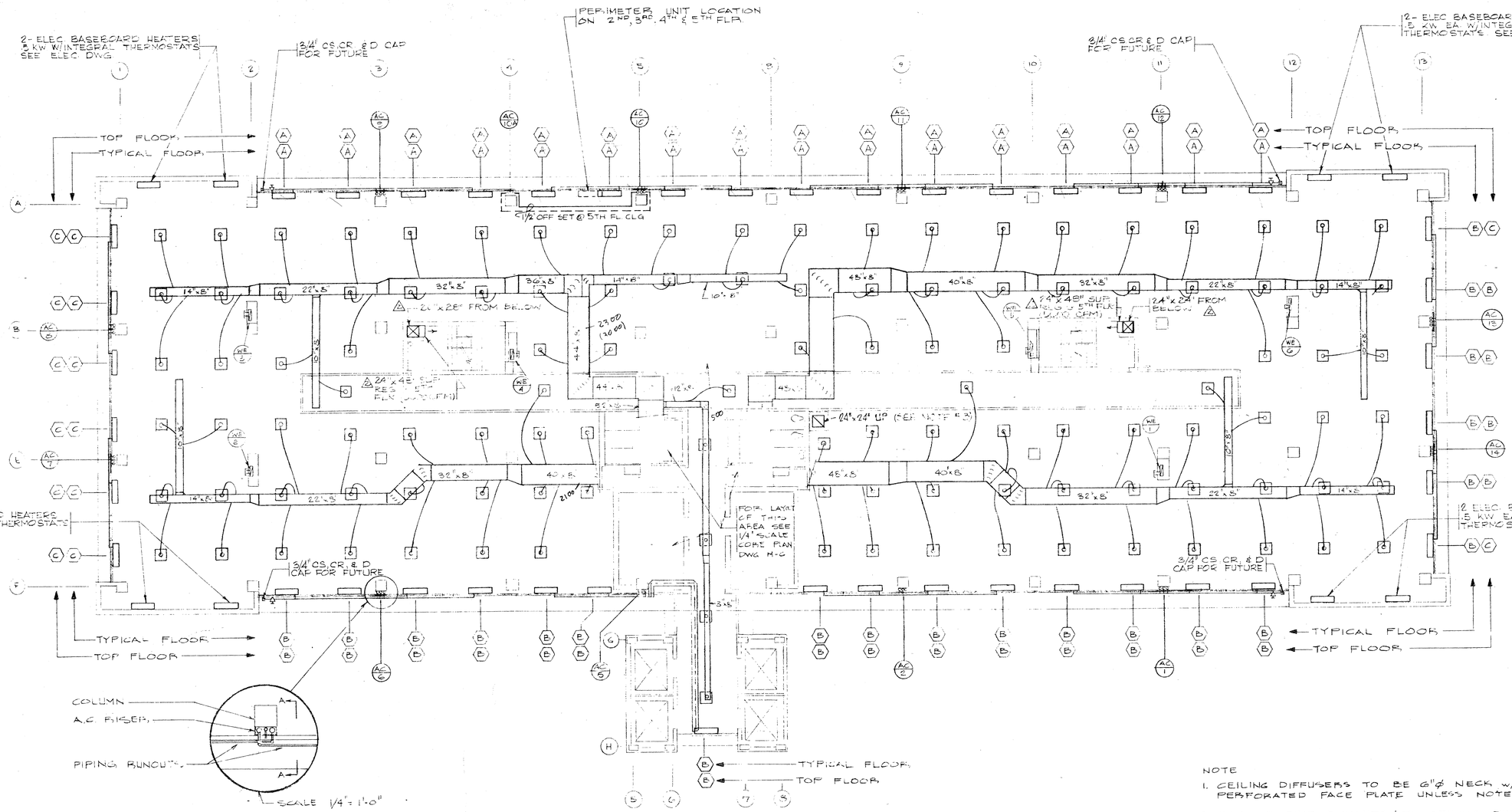
7/27/78	ADDENDUM #2 ⚠
8/21/78	ADDENDUM #3 ⚠

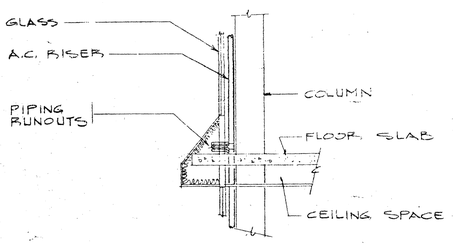
2/17/79 FOR CONSTRUCTION

date 1-10-79

job number 77057

sheet number M-1





SECTION A-A
SCALE: 1/4" = 1'-0"

TYPICAL FLOOR PLAN (SECOND THRU TENTH FLOORS)
SCALE 1/8" = 1'-0"

NOTE

1. CEILING DIFFUSERS TO BE 6"ø NECK w/ 24"x24" PERFORATED FACE PLATE UNLESS NOTED OTHERWISE
2. FLEXIBLE DUCT RUNOUTS TO CEILING DIFFUSERS TO BE 6'ø AND MAX LENGTH OF 12 FT
3. FUTURE KITCHEN EXHAUST DUCT. 16 GAUGE ALL WELDED BLACK STEEL.

Bucher Meyers Associates Inc. Architects AIA

Engineers • Planners • Interiors 6400 Rockledge Drive, Suite 600 Bethesda, MD 20817 (301) 897-3570 Blue Bell, Pennsylvania 19422 (215) 643-3700

MONTROSE CENTER OFFICE BUILDING ROCKVILLE, MD

TYPICAL FLOOR PLAN

date	revisions	drawn by
	STATE AMENDMENT	

2/19/79-FOR CONSTRUCTION

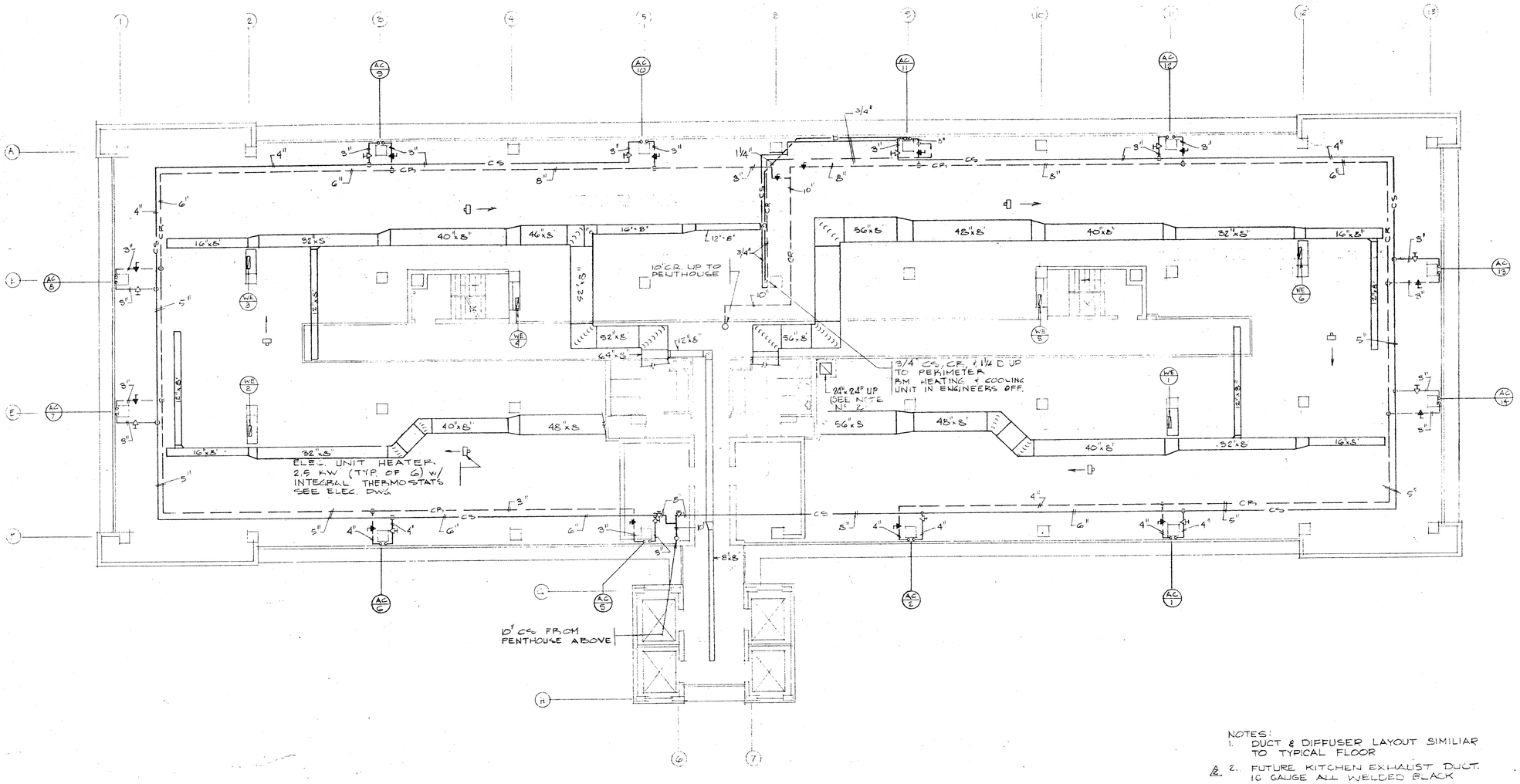
date 1-10-79

job number 77057

sheet number M-2

ISOLATE EASTSIDE RISER

ISOLATE WESTSIDE RISER



NOTES:
1. DUCT & DIFFUSER LAYOUT SIMILIAR TO TYPICAL FLOOR
2. FUTURE KITCHEN EXHAUST DUCT. 16 GAUGE ALL WELDED BLACK STEEL.

10TH FLR. CLG. SPACE PLAN

SCALE 1/8"=1'-0"

N

Bucher Meyers Associates Inc. Architects AIA

MONTROSE CENTER, OFFICE BUILDING ROCKVILLE, MD

10TH FLOOR CEILING SPACE PLAN

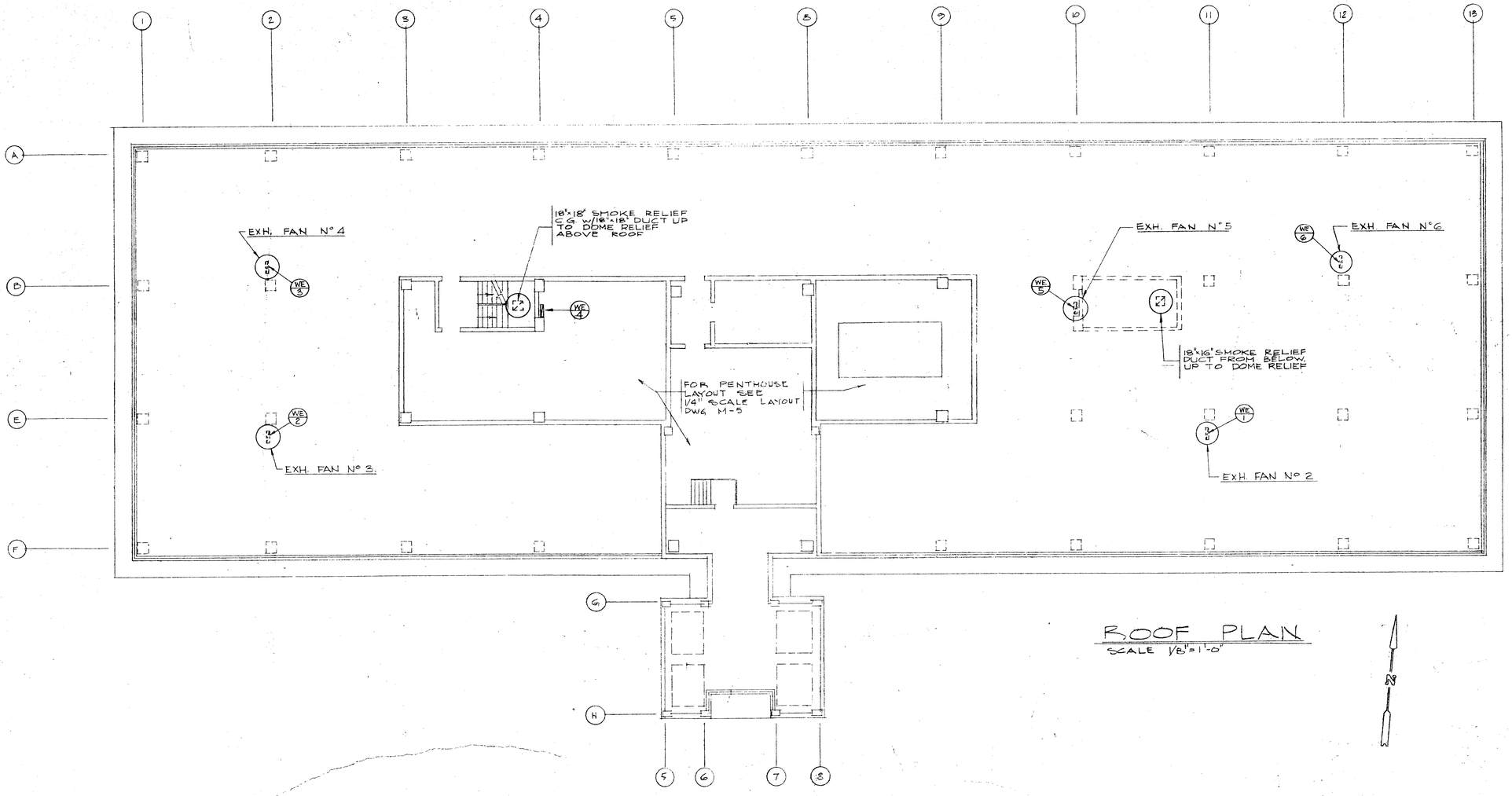
date	revisions
5/2/79	ADDENDUM #1

3/13/79-FOR CONSTRUCTION

date: 1-10-79

job number: 77057

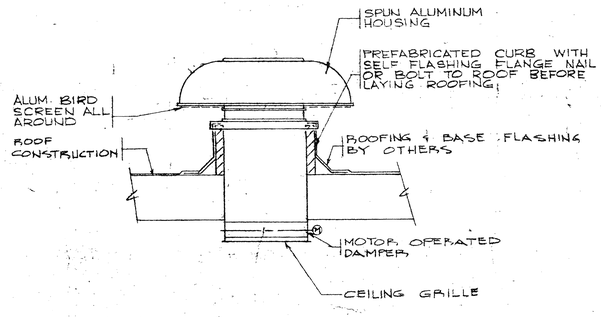
sheet number: M-3



ROOF PLAN

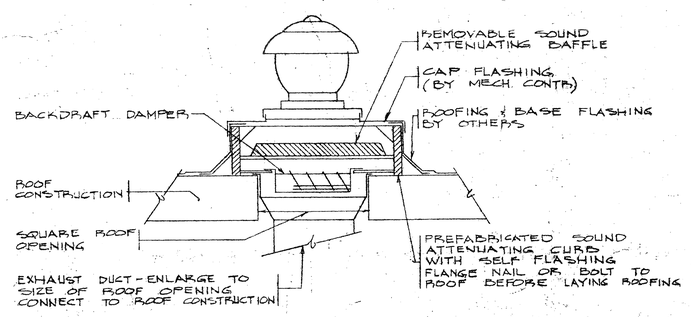
SCALE 1/8"=1'-0"

N



STAIR DOME RELIEF DETAIL

NOT TO SCALE



ROOF EXHAUST FAN DETAIL

NOT TO SCALE

Bucher Meyers Associates Inc. Architects/AIA

KENTROSE CENTER OFFICE BUILDING ROCKVILLE, MD

ROOF PLAN, AND DETAILS

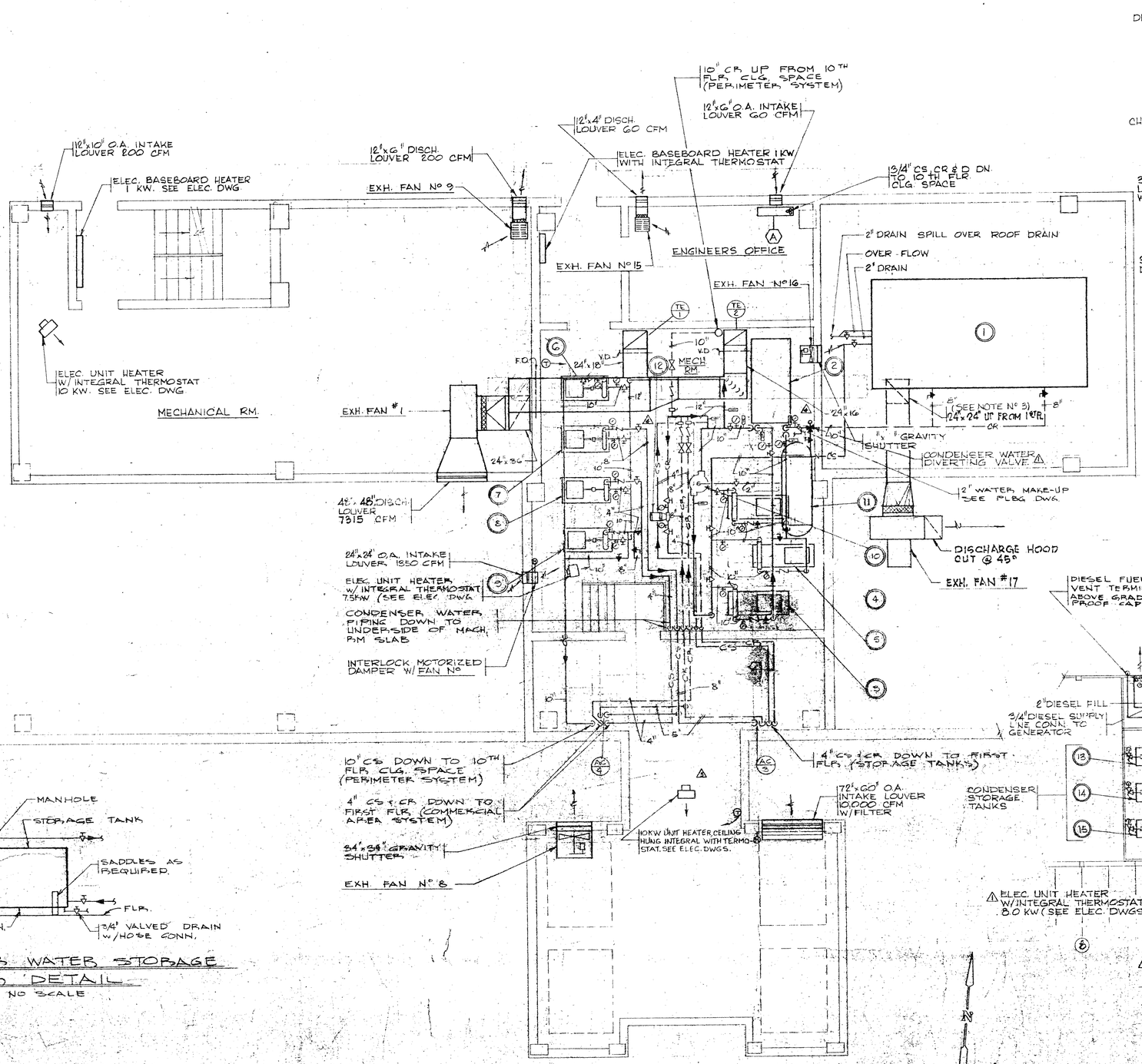
date	revisions	drawn by
2/19/79	FOR CONSTRUCTION	

date 1-18-79

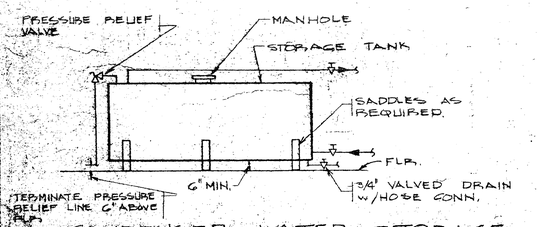
job number 77057

sheet number M-4

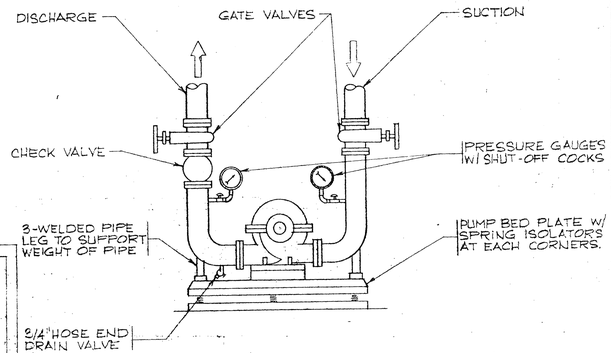
NOTES:
1. LOCATE BOTTOM OF COOLING TOWER BASIN AT AN ELEVATION HIGHER THAN TOP OF PRIMARY CONDENSER WATER PUMP CASING & CONDENSER WATER DIVERTING VALVE.
2. HEAT TAPE, INSULATE & WEATHERPROOF ALL CONDENSER WATER PIPING EXPOSED TO THE WEATHER.
3. FUTURE KITCHEN EXHAUST DUCT 16 GAUGE ALL WELDED BLACK STEEL.



PENTHOUSE PLAN
SCALE: 1/4"=1'-0"



CONDENSER WATER STORAGE TANK DETAIL
NO SCALE



HORIZONTAL SPIT CASE PUMP DETAIL
NOT TO SCALE

PART GARAGE GRADE LEVEL PLAN
SCALE: 1/16"=1'-0"

Buchel Meyers Associates Inc. Architects AIA
MONTROSE CENTER OFFICE BUILDING ROCKVILLE, MD.
PENTHOUSE PLAN

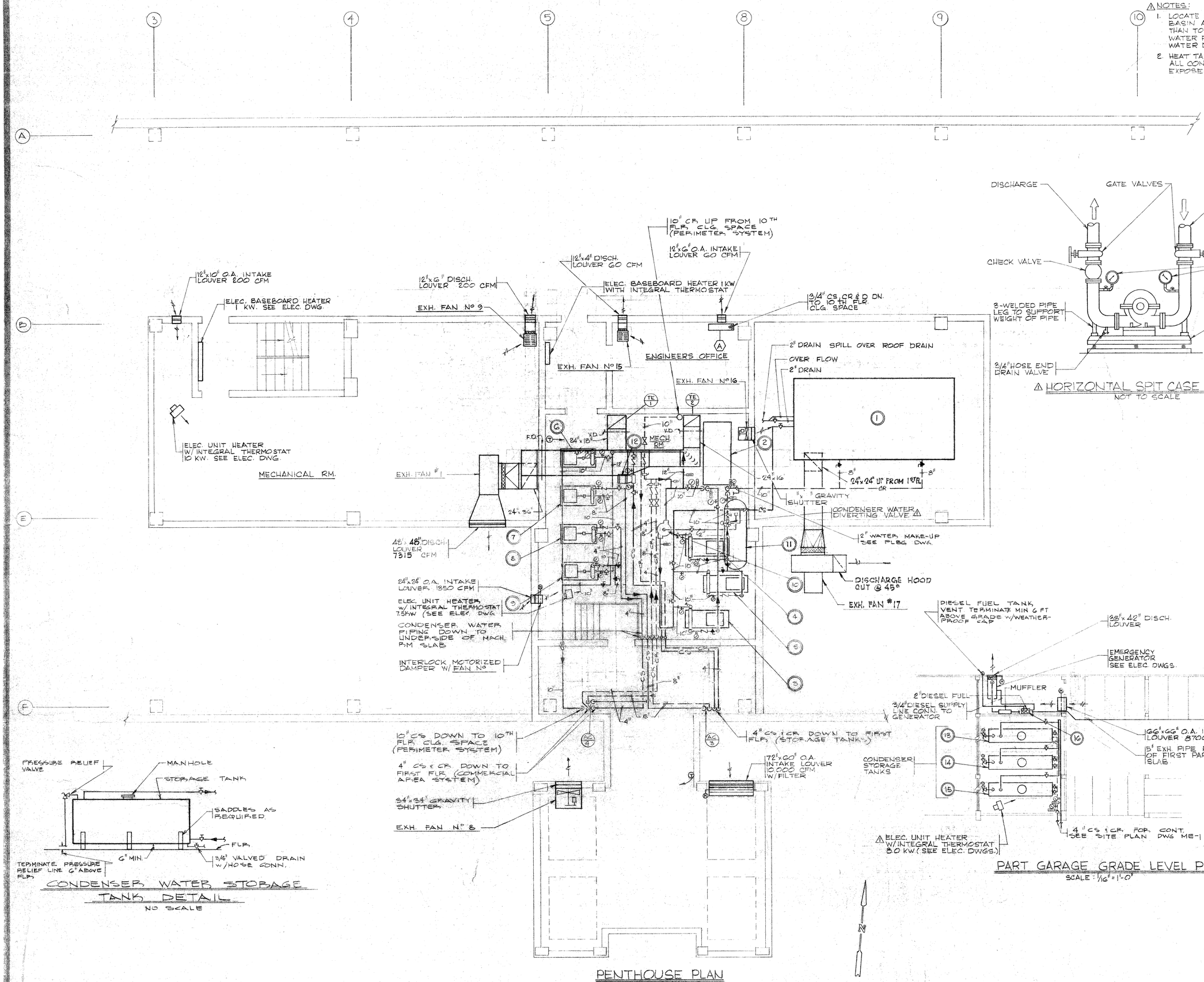
date	revisions	Dwn by
7/6/78	ADDENDUM #2	
8/2/78	ADDENDUM #3	
1-30-79	REV. GARAGE	
1,30,80	REV.	
1-12-81	REV.	

3/9/79-FOR CONSTRUCTION

date 1-10-79
job number 7705?
drawing number M-5

⚠ NOTES:

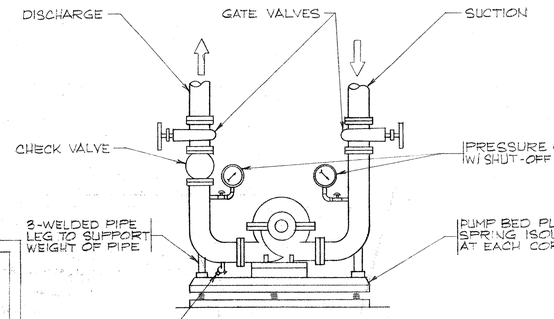
1. LOCATE BOTTOM OF COOLING TOWER BASIN AT AN ELEVATION HIGHER THAN TOP OF PRIMARY CONDENSER WATER PUMP CASING & CONDENSER WATER DIVERTING VALVE.
2. HEAT TAPE, INSULATE & WEATHERPROOF ALL CONDENSER WATER PIPING EXPOSED TO THE WEATHER.



PENTHOUSE PLAN
SCALE : 1/4" = 1'-0"

CONDENSER WATER STORAGE TANK DETAIL
NO SCALE

PART GARAGE GRADE LEVEL PLAN
SCALE : 1/16" = 1'-0"



⚠ HORIZONTAL SPIT CASE PUMP DETAIL
NOT TO SCALE

Bucher Meyers Associates Inc. Architects AIA

MONTROSE CENTER OFFICE BUILDING ROCKVILLE, MD.

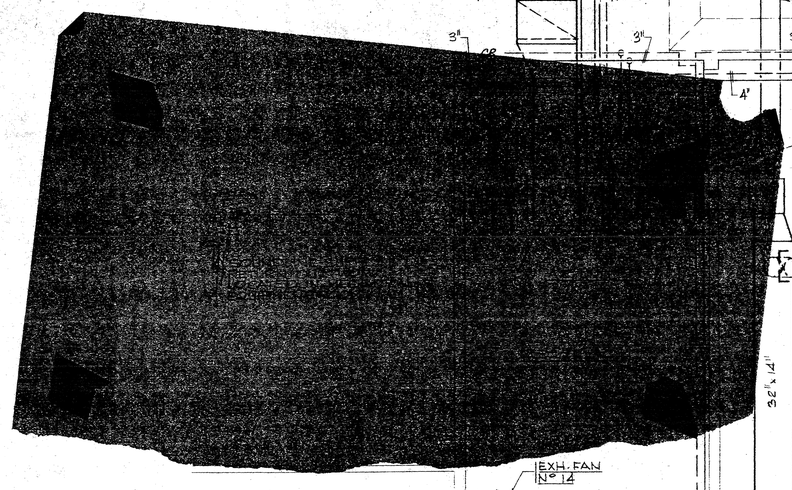
PENTHOUSE PLAN

date	revisions	drwn by
7/18/78	ADDENDUM #2 ⚠	

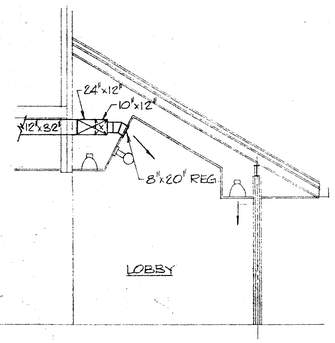
date 6-23-78

job number 77057

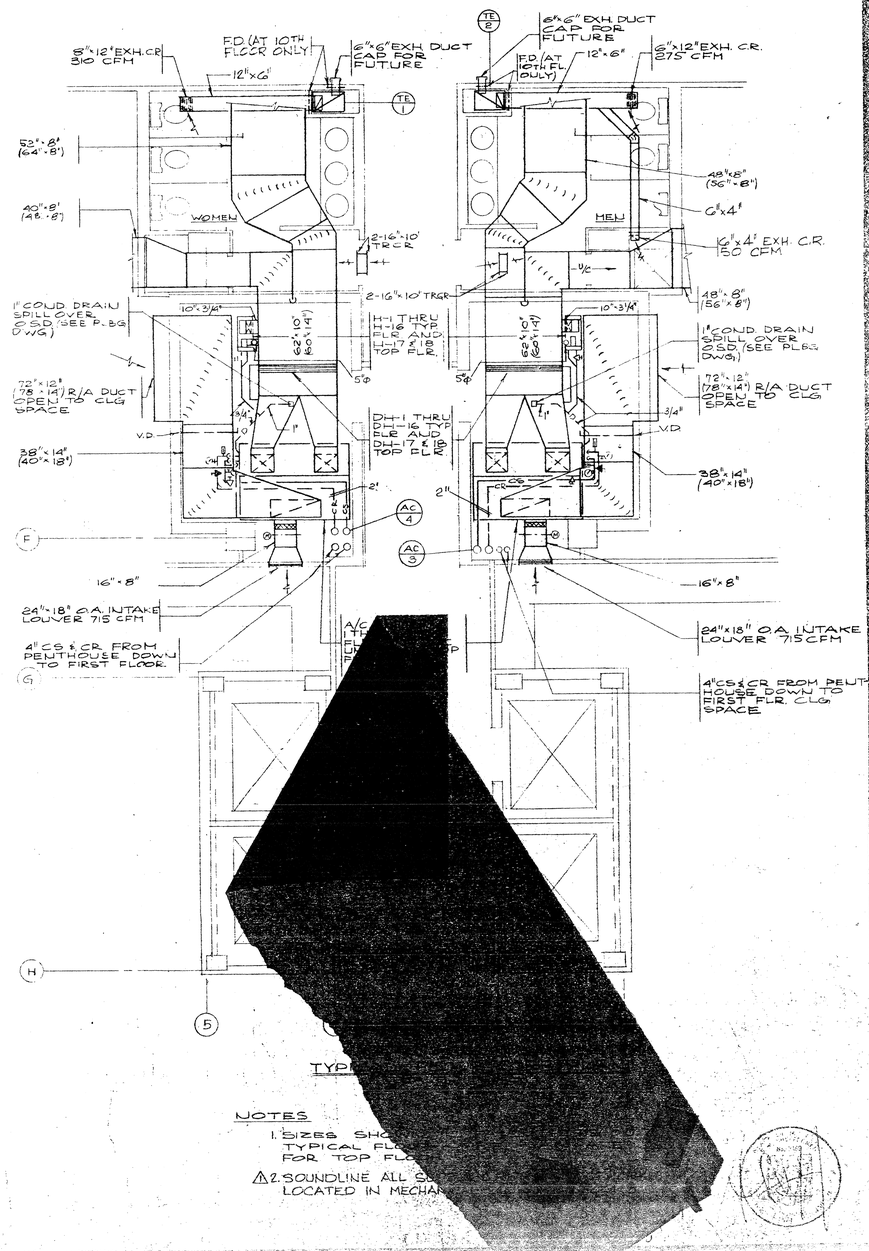
sheet number M-5



FIRST FLOOR CORE PLAN
SCALE 1/4"=1'-0"



SECTION THRU LOBBY
1/4"=1'-0"



NOTES

1. SIZES SHO... TYPICAL FLO... FOR TOP FLO...
2. SOUNDLINE ALL S... LOCATED IN MECHA...

Bucher Meyers Associates Inc. ARCHITECTS AIA

MONTROSE CENTER OFFICE BUILDING, ROCKVILLE, MD

FIRST FLOOR AND TYPICAL FLOOR CORE PLANS

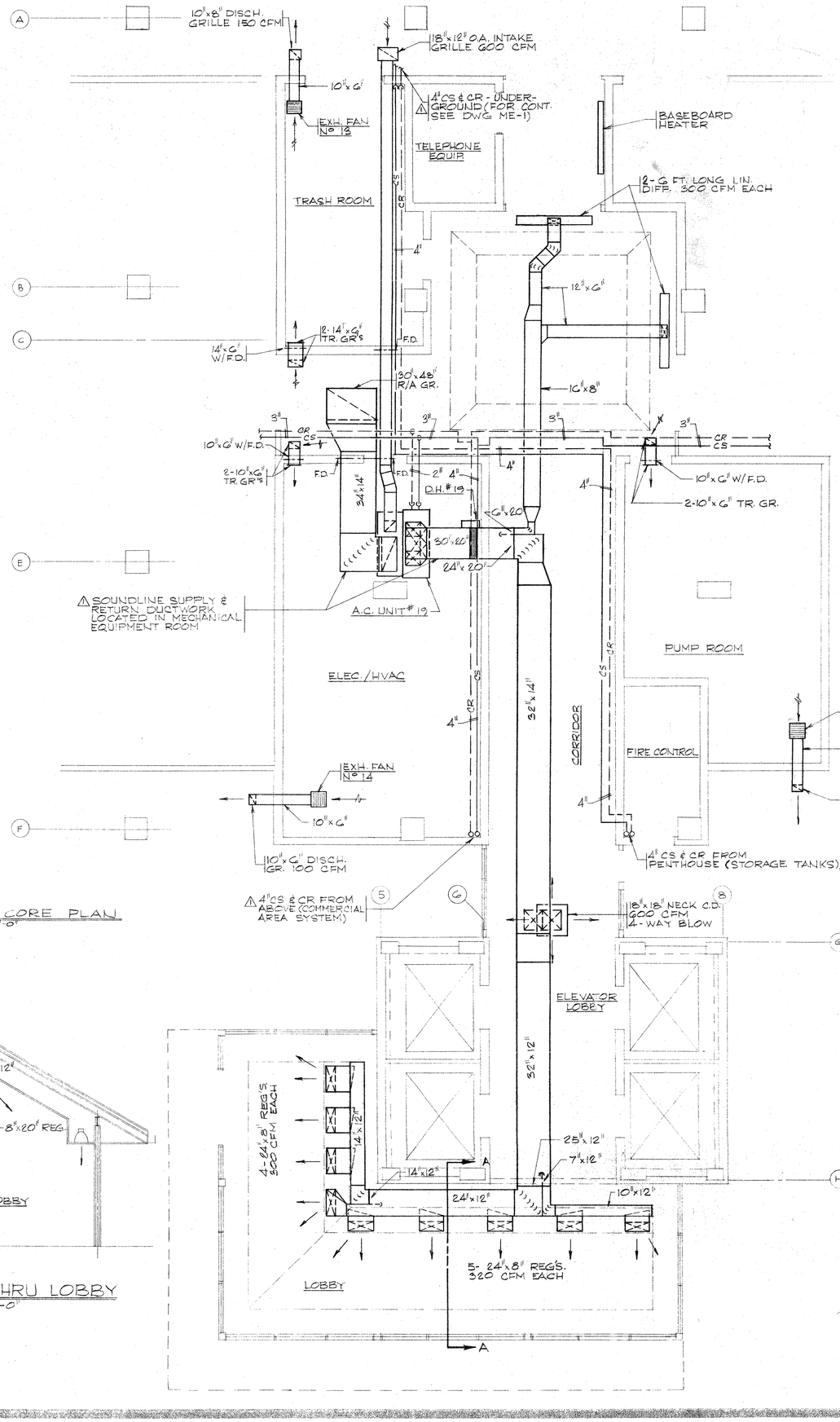
date	revisions	own by
7/8/75	ADDENDUM #2 1-22-81 LOBBY	

5/10/75 FOR CONSTRUCTION

date 1-10-79

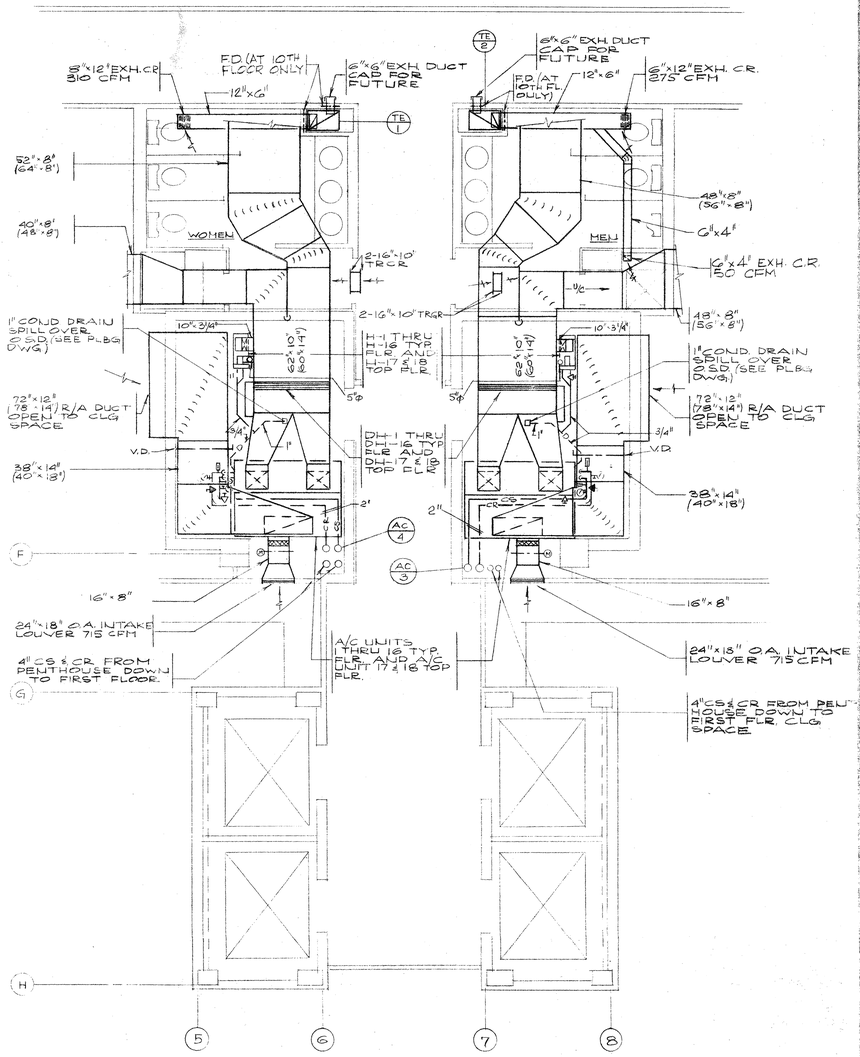
job number 77057

sheet number M-6



FIRST FLOOR CORE PLAN
SCALE 1/4"=1'-0"

SECTION THRU LOBBY
1/4"=1'-0"



TYPICAL FLOOR CORE PLAN
SCALE 1/4"=1'-0"

NOTES

1. SIZES SHOWN IN PARENTHESIS ON TYPICAL FLOOR CORE PLAN ARE FOR TOP FLOOR ONLY.

⚠2. SOUNDLINE ALL SUPPLY & RETURN DUCTWORK LOCATED IN MECHANICAL EQUIPMENT ROOMS

Bucher Meyers + Associates Inc. Architects AIA

MONTROSE CENTER OFFICE BUILDING, ROCKVILLE, MD

FIRST FLOOR AND TYPICAL FLOOR CORE PLANS

date	revisions	dwn by
7/5/78	⚠ ADDENDUM #2	

date 6-23-78

job number 77057

sheet number M-6

PERIMETER ROOM HEATING & COOLING UNIT SCHEDULE

UNIT SIZE	CFM	GPM	PD/FT	COOLING CAP.(BTUH) SENS.	COOLING CAP.(BTUH) TOTAL	* REV CYCLE HTG CAP.(BTUH)	ELECT RESIS. HTR MIN. BTUH	ELECT RESIS. HTR KW	REMARKS
(A)	270	2.4	7	6605	8850	13105	5200	2.5	
(B)	420	3.7	6.7	10560	13570	19125	5200	2.5	
(C)	520	4.7	8.5	12255	17025	24080	5200	2.5	

* COOLING CAPACITY BASED ON ENT. AIR @ 77° DB - 64° WB AND 92° ENT WATER TEMP.

** HEATING CAPACITY BASED ON ENT AIR @ 70° AND 70° ENT. WATER TEMP.

ELECTRIC DUCT HEATER SCHEDULE

HTR. No.	SERVING	LOCATION	CFM	HEATING CAPACITY MIN. BTUH	HEATING CAPACITY NOM KW	MIN. STAGE	REMARKS
1 THRU 16	TYPICAL FLRS	TYPICAL FLR MECH RMS	4800	182.65	6	2	
17 & 18	TOP FLR	TOP FLR MECH RM	6000	182.65	6	2	
19	FIRST FLR. LOBBY	FIRST FLR. MECH RM	4000	151,000	45	3	
20	FIRST FLR. RENTAL SPACE	FIRST FLR. MECH RM	4350	85,300	25	3	
21, 22 & 24	FIRST FLR. RENTAL SPACE	FIRST FLR. MECH RM	2000	51,190	15	3	
23 & 25	FIRST FLR. RENTAL SPACE	FIRST FLR. MECH. RM	4350	102,300	30	3	

NOTE: ALL DUCT HEATERS - 1000 FPM MAX. FACE VELOCITY AND 0.1" MAX. P.D.

SELF-CONTAINED A.C. UNIT SCHEDULE

UNIT No	SERVING	UNIT LOCAT.	CFM	EXT S.P.	HP	RPM	*COOLING CAPACITY ENT. AIR DB/WB	*COOLING CAPACITY LVG. AIR DB/WB	GPM	MIN O.A. CFM	NOM UNIT CAP. TONS	REMARKS
1 THRU 16	TYPICAL FLOORS	TYP. FLR MECH. RMS	4800	5/8"	3	710	82.3/68.8	60/53	37	710	15	
17 & 18	TOP FLOOR	TOP FLR MECH. RMS	6000	5/8"	3	800	82.9/68.2	61/53.2	43	710	15	
19	FIRST FLR. LOBBY	FIRST FLR MECH RM	4000	1/2"	3	992	79.2/66.2	60.3/57.6	28	800	10	
20, 23, 25	FIRST FLR. RENTAL SPACE	FIRST FLR MECH RM	4350	1/2"	5	824	80.9/67.7	59.0/56.8	27	1000	15	
21, 22, 24	FIRST FLR RENTAL SPACE	FIRST FLR MECH RM	1950	1/2"	1½	722	81.7/68.4	58.97/56.6	16	540	7½	

* COOLING CAPACITY BASED ON 92° F ENT. WATER TEMP.

HUMIDIFIER SCHEDULE

HUMIDIFIER N°	SERVING	LOCATION	MIN/CAP LBS/HR.	TYPE	KW	REMARKS
H-1 THRU H-16	TYP. FLR.	TYP. FLR. MECH RMS	12.5	EVAP PAN TYPE	4	
H-17 & H-18	TOP FLR.	TOP FLR. MECH RMS	12.5	EVAP PAN TYPE	4	

FAN SCHEDULE

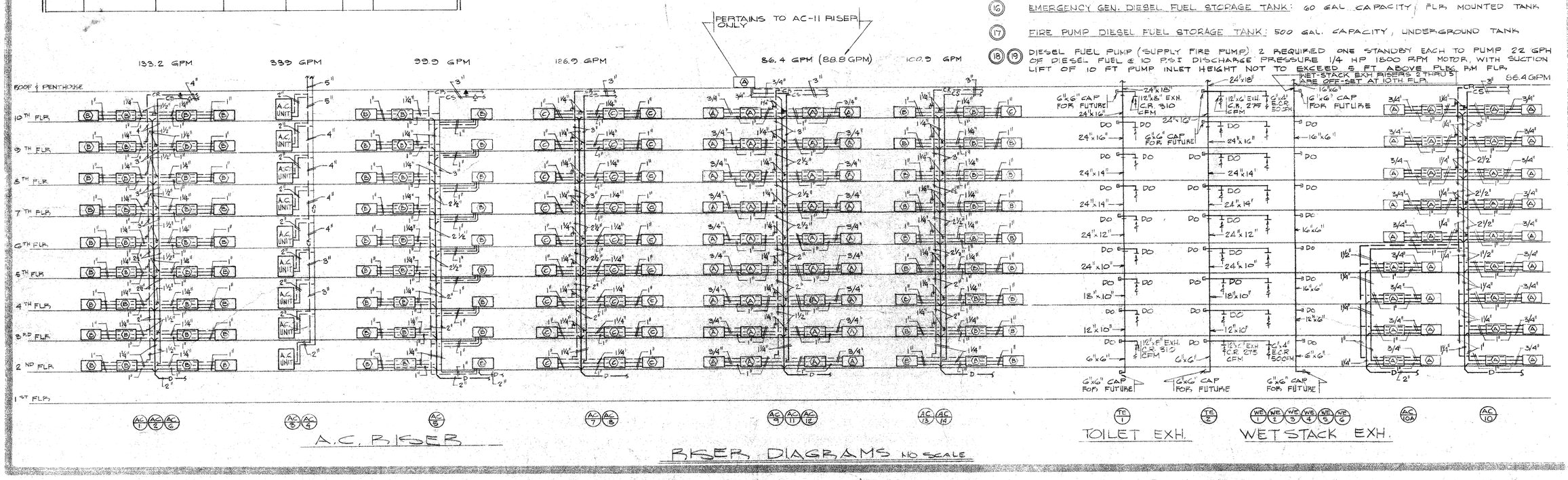
FAN N°	SERVING	LOCATION	CFM	S.P.	HP	FAN RPM	O.V. FPM	SONE RATING @ 5 FT	FAN TYPE	REMARKS
1	TOILET EXH RISERS 1 & 2	PENTHOUSE	7315	3/8"	3	630	1800	–	F.C. UTILITY SET	FLR. MOUNTED
2, 3, 4, 5, 6 & 7	WET STACK EXH RISERS	ROOF	800	1/2"	1/6	934	–	6	DIRECT DRIVE CENT. ROOF FAN	ROOF MOUNTED
8	ELEV. MACH. RM	ELEV. MACH. RM	10,000	1/4"	1 1/2	900	–	–	BELT DRIVE PROPELLER	WALL MOUNTED
9	PENTHOUSE STORAGE RM. & MECH RM	PENTHOUSE STORAGE RM	390	3/8"	1/15	1080	–	12	DIRECT DRIVE IN-LINE CENTR.	CLG. MOUNTED
10 & 14	MECH. & ELEC RM 1ST FLR.	MECH RM 1ST FLR.	150	1/8"	1/40	860	–	6.2	DIRECT DRIVE IN-LINE CENTR	CLG. MOUNTED
11	STAIR #1	1ST FLR.	13200	1"	5	611	1606	–	BELT DRIVE CAB. FAN	MTD ABOVE CEILING
12	STAIR	1ST FLR.	11,200	1"	5	640	1700	–	BELT DRIVE CAB. FAN	MTD. ABOVE CEILING
13	TRASH RM	TRASH RM	150	1/8"	1/40	1550	–	3.1	DIRECT DRIVE CENTRI. CLG FAN	CLG. MOUNTED
15	ENGINEER'S OFFICE	PENTHOUSE	60	1/4"	1/40	850	–	1.3	DIRECT DRIVE CLG. FAN	CLG. MOUNTED
16	MECHANICAL PENTHOUSE	MECHANICAL PENTHOUSE	1350	3/8"	1/3	–	–	–	BELT DRIVE PROPELLER	WALL MOUNTED W/ BACK DRAFT DAMPER
17	FUTURE KIT. HOOD	ROOF	8000	3"	7½"	953	1553	–	B.I. UTILITY SET	ROOF MOUNTED

SYMBOL LIST

- GATE VALVE IN DROP OR RISE
- AC-1 SELF-CONTAINED A/C UNIT DESIGNATION
- DH-1 DUCT HEATER DESIGNATION
- H-1 HUMIDIFIER DESIGNATION
- (A) PERIMETER RM HEATING & COOLING UNIT SIZE
- (TE 1) TOILET EXHAUST RISER
- (WE 1) WET STACK EXH. RISER
- V.D. VOLUME DAMPER
- 3-WAY CONTROL VALVE
- UNION
- L/D LOUVERED DOOR
- BALANCING VALVE
- (H) HUMIDISTAT
- GATE VALVE
- GATE VALVE
- (M) MOTORIZED DAMPER
- F.D. FIRE DAMPER
- FLEXIBLE CONNECTION
- U/C UNDER CUT DOOR
- A.P. ACCESS PANEL
- T.R. TOP REGISTER
- TR., GR. TRANSFER GRILLE
- T.G. TOP GRILLE
- —D— CONDENSATE DRAIN
- —CR— CONDENSER WATER RETURN
- —CS— CONDENSER WATER SUPPLY
- DIRECTION OF FLOW
- PITCH DOWN IN DIRECTION OF ARROW
- (AC) AIR CONDITIONING RISER
- B.D. BACKDRAFT DAMPER
- B.G. BOTTOM GRILLE
- C.D. CEILING DIFFUSER
- C.G. CEILING GRILLE
- C.R. CEILING REGISTER
- CHECK VALVE
- CONTROL VALVE MOTOR OPERATED
- O.A. OUTSIDE AIR
- PIPE RISING
- PIPE TURNING DOWN
- PRESSURE GUAGE
- PRESSURE RELIEF VALVE
- PRESSURE REDUCING VALVE
- R/A RETURN AIR
- STRAINER
- THERMOMETER
- (T) THERMOSTAT

EQUIPMENT SCHEDULE

1. COOLING TOWER: SHALL BE COUNTERFLOW-BLOW-THRU TYPE UNIT SHALL HAVE A CAPACITY TO COOL 1650 GPM FROM 95°F TO 85°F WITH 78°WB AMBIENT AIR. UNIT SHALL HAVE 4-20 HP FAN MOTORS SUPPLIED WITH 2-5 KW IMMERSION HEATERS. WEIGHT: 14800 LBS.
2. HEAT EXCHANGER: SHALL BE A PLATE AND FRAME TYPE WITH A CAPACITY TO COOL 1650 GPM OF WATER ENTERING @ 99.7°F AND LEAVING @ 89.6°F WITH 1650 GPM OF TOWER WATER ENTERING @ 85°F MAX. PRESSURE DROP SHALL BE 16 P.S.I. ON BOTH WATER LOOP SIDES.
3. CONDENSER WATER PUMP N°1 (PRIMARY) 1650 GPM @ 55 FT HEAD, 40 HP. DOUBLE SUCTION CENTRIFUGAL TYPE, 1750 R.P.M. 8"x10"x10½"
4. CONDENSER WATER PUMP N°2 (PRIMARY) 1650 GPM @ 65 FT HEAD, 40 HP DOUBLE SUCTION CENTRIFUGAL TYPE, 1750 R.P.M 8"x10"x10½"
5. CONDENSER WATER PUMP N°3 (STAND BY) 1650 GPM @ 65 FT HEAD, 40 HP DOUBLE SUCTION CENTRIFUGAL TYPE, 1750 R.P.M 8"x10"x10½"
6. CONDENSER WATER PUMP N°4 (PERIMETER) 1300 GPM @ 45 FT HEAD, 20 HP END SUCTION CENTRIFUGAL TYPE, 1750 R.P.M.
7. CONDENSER WATER PUMP N°5 (INTERIOR) 678 GPM @ 50 FT HEAD, 15 HP END SUCTION CENTRIFUGAL TYPE 1750 R.P.M.
8. CONDENSER WATER PUMP N°6 (COMMERCIAL & 1ST FLR. LOBBY) 183 GPM @ 65 FT HEAD, 5 HP END SUCTION CENTRIFUGAL TYPE 1750 R.P.M.
9. CONDENSER WATER PUMP N°7 (STANDBY) 1300 GPM @ 45 FT HEAD, 20 HP END SUCTION CENTRIFUGAL TYPE 1750 R.P.M
10. AIR REMOVAL FITTING: IN-LINE TYPE 10" SIZE, 1680 GPM @ 7 FT MAX P.D.
11. EXPANSION TANK: 270 GAL. CAPACITY, CLOSED TYPE, 30" DIA & 96" LONG
12. CONDENSER WATER STORAGE TANK PUMP: 150 GPM @ 45 FT HEAD, 5 HP IN-LINE CENTRIFUGAL TYPE 1750 R.P.M.
13 14 15. CONDENSER WATER STORAGE TANK: 6000 GAL. EA CAPACITY FLR. MOUNTED TANKS
16. EMERGENCY GEN. DIESEL FUEL STORAGE TANK: 60 GAL CAPACITY, FLR. MOUNTED TANK
17. FIRE PUMP DIESEL FUEL STORAGE TANK: 500 GAL. CAPACITY, UNDERGROUND TANK
18 19. DIESEL FUEL PUMP (SUPPLY FIRE PUMP) 2 REQUIRED ONE STANDBY EACH TO PUMP 22 GPH OF DIESEL FUEL @ 10 P.S.I DISCHARGE PRESSURE 1/4 HP 1800 R.P.M MOTOR, WITH SUCTION LIFT OF 10 FT PUMP INLET HEIGHT NOT TO EXCEED 5 FT ABOVE PUMP, P.M FLR.



A.C. RISER

TOILET EXH.

WET STACK EXH.

RISER DIAGRAMS NO SCALE

Bucher Meyers Associates Inc. Architects AIA

MONTROSE CENTER, OFFICE BUILDING ROCKVILLE, MD

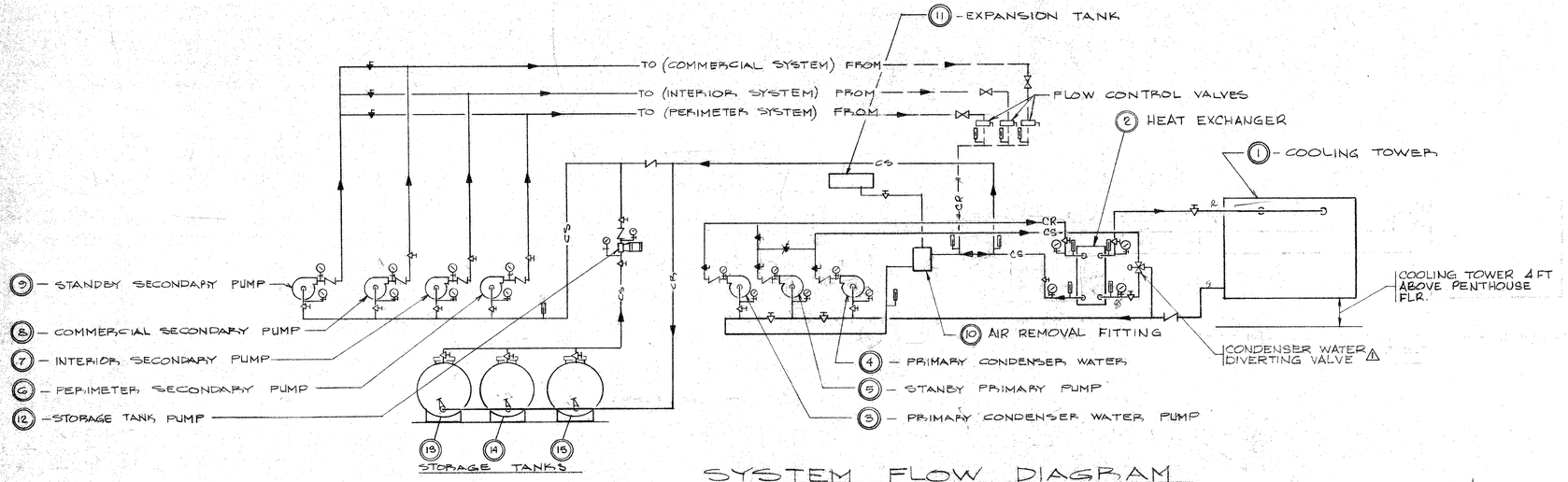
SCHEDULES AND RISER DIAGRAMS

date	revisions	by
7/6/78	ADDENDUM N° 2	

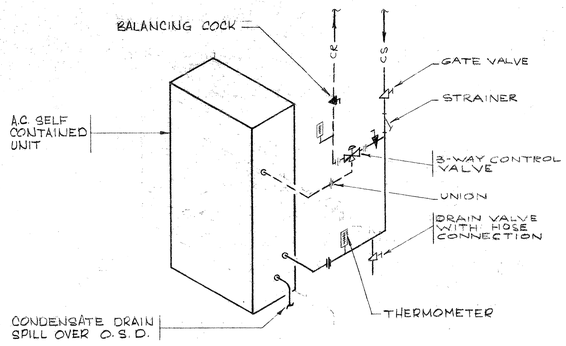
date 6-23-78

job number 77057

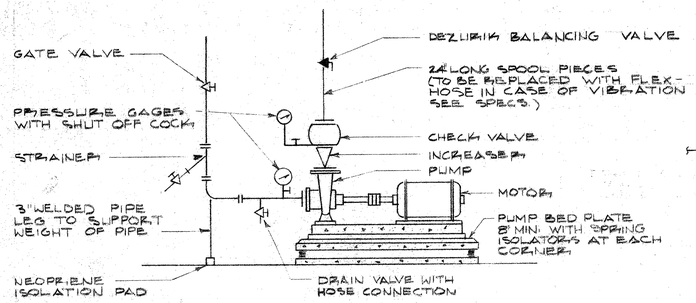
sheet number M-7



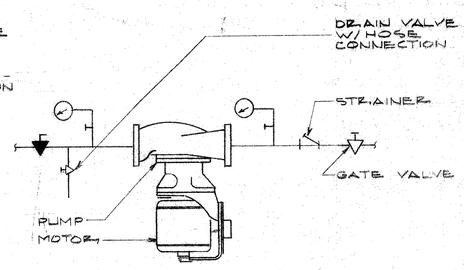
SYSTEM FLOW DIAGRAM
NOT TO SCALE



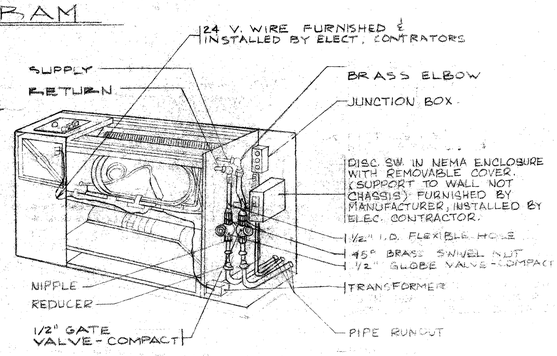
A.C. SELF CONTAINED UNIT PIPING HOOK-UP
NOT TO SCALE



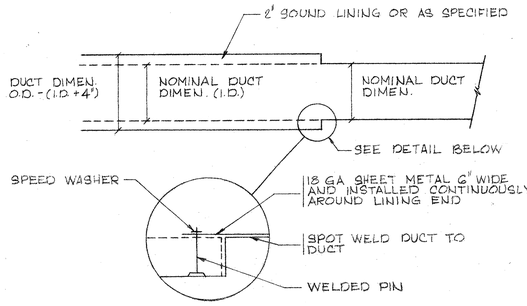
END SUCTION PUMP DETAIL
NOT TO SCALE



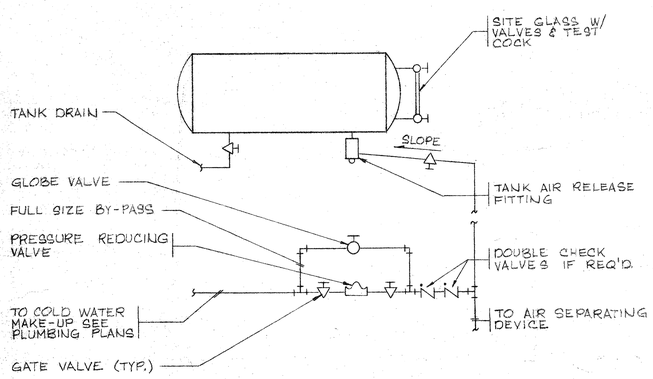
IN-LINE PUMP DETAIL
NOT TO SCALE



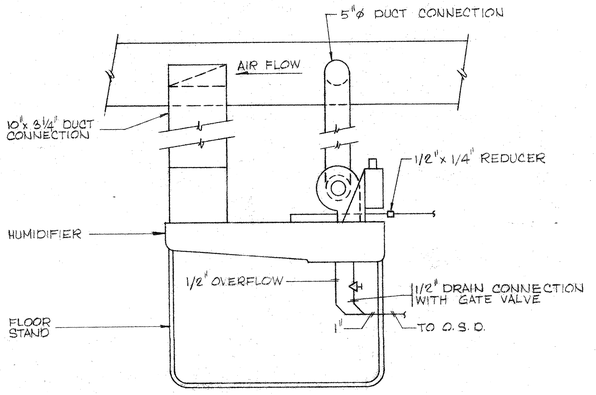
PERIMETER HEAT PUMP PIPING HOOK-UP DETAIL
NOT TO SCALE



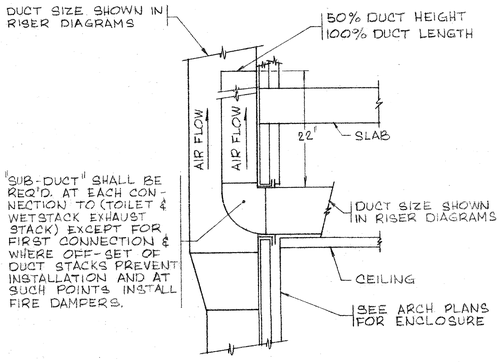
SOUND LINING DETAIL
NOT TO SCALE



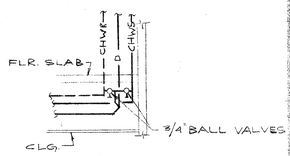
EXPANSION TANK
NOT TO SCALE



EVAPORATIVE PAN TYPE HUMIDIFIER CONNECTION DETAIL
NOT TO SCALE



TYPICAL DETAIL OF "SUB-DUCT" IN EXHAUST STACK
NOT TO SCALE



TYPICAL A/C RISER BOTTOM CONN. DETAIL
NOT TO SCALE

Bucher Meyers + Associates Inc. Architects AIA

MONTROSE CENTER OFFICE BUILDING, ROCKVILLE, MD

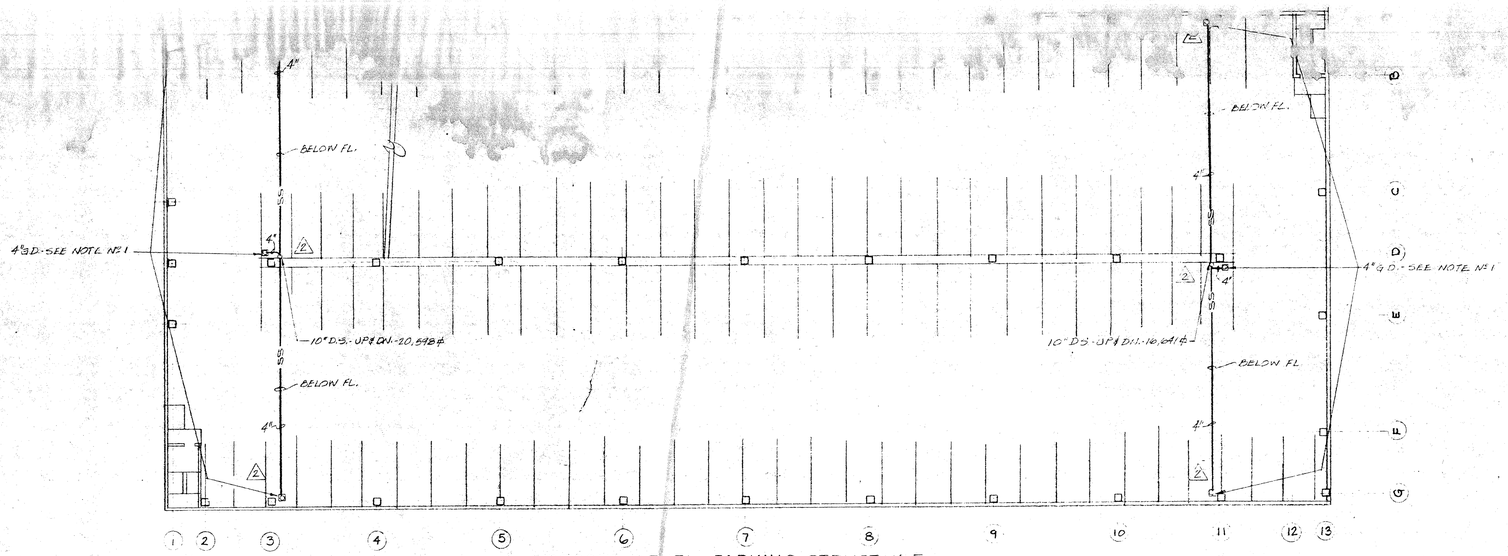
FLOW DIAGRAM AND DETAILS

date	revisions	dwn by
7/6/78	ADDENDUM #2 ⚠	

date 6-23-78

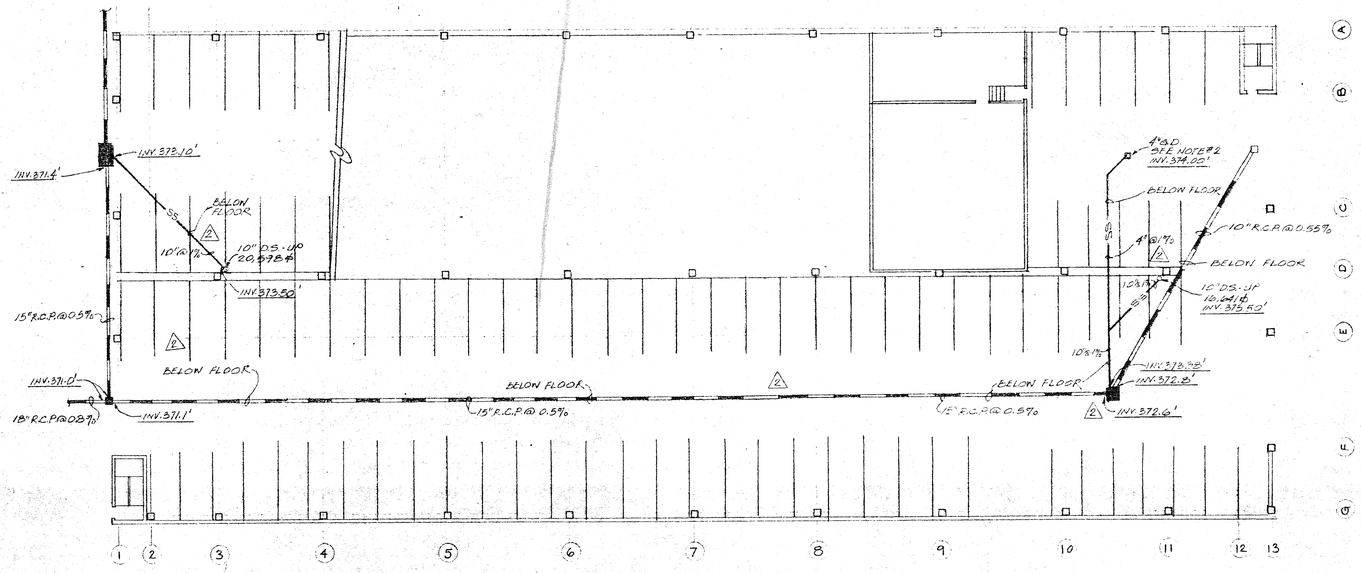
job number 77057

sheet number M-8



⚠ SECOND LEVEL PARKING STRUCTURE

SCALE: 1/16"=1'-0"



⚠ FIRST LEVEL PARKING STRUCTURE

SCALE: 1/16"=1'-0"

NOTES:

1. ALL GARAGE DRAINS TO BE JOSAM NO 31604 OR EQUAL.
2. GARAGE DRAIN TO BE JOSAM NO 31604 OR EQUAL WITH NO 10004 BACKWATER VALVE. PROVIDE SAND TRAP.

Bucher Meyers Associates Inc. Architects AIA

MONTROSE CENTER OFFICE BUILDING, ROCKVILLE, MD

FIRST LEVEL, SECOND LEVEL PARKING STRUCTURE

date	revisions	drawn by
1-10-79	⚠1 NEW PARKING LAYOUT	DL
10-3-79	⚠2 RELOCATED DRAINS, REVISED PARING L	

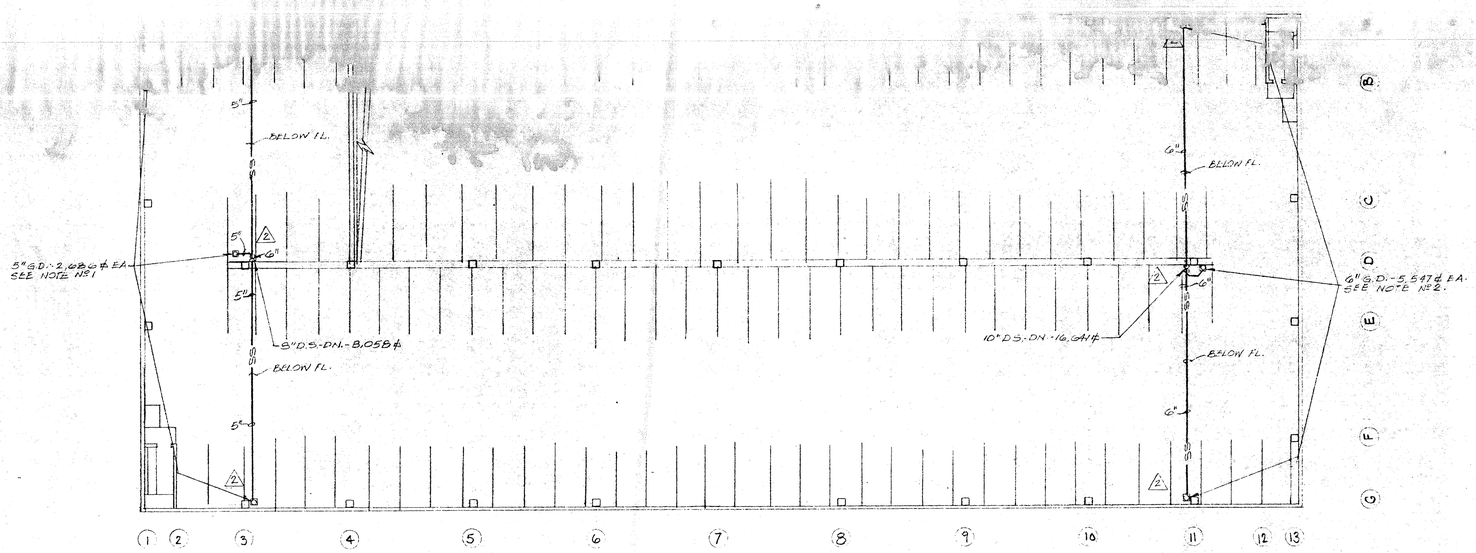
2-13-79 FOR CONSTRUCTION

date 1-10-79

job number 77057

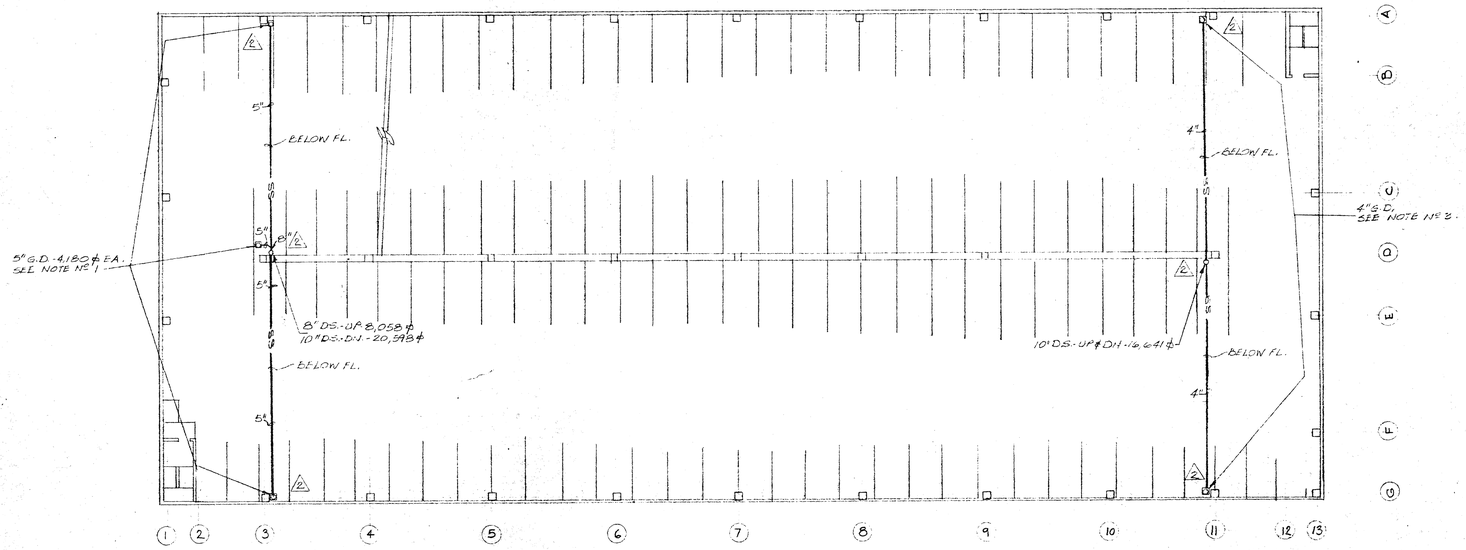
sheet number P-1

dwd set 2-1-79



FOURTH LEVEL PARKING STRUCTURE

SCALE: 1/16"=1'-0"



THIRD LEVEL PARKING STRUCTURE

SCALE: 1/16"=1'-0"

NOTES:

1. GARAGE DRAINS TO BE JOSAM Nº 31705 OR EQUAL.
2. GARAGE DRAINS TO BE JOSAM Nº 31706 OR EQUAL
3. GARAGE DRAINS TO BE JOSAM Nº 31604 OR EQUAL.

Bucher Meyers Associates Inc. Architects

MONTROSE CENTER OFFICE BUILDING, ROCKVILLE, MD.

THIRD LEVEL, FOURTH LEVEL PARKING STRUCTURE

date	revisions	drawn by
1-22-79	1 NEW PARKING LAYOUT	D.L.
6-8-79	2 RELOCATED DOWNSPOUTS, REVISED PAVING	D.L.

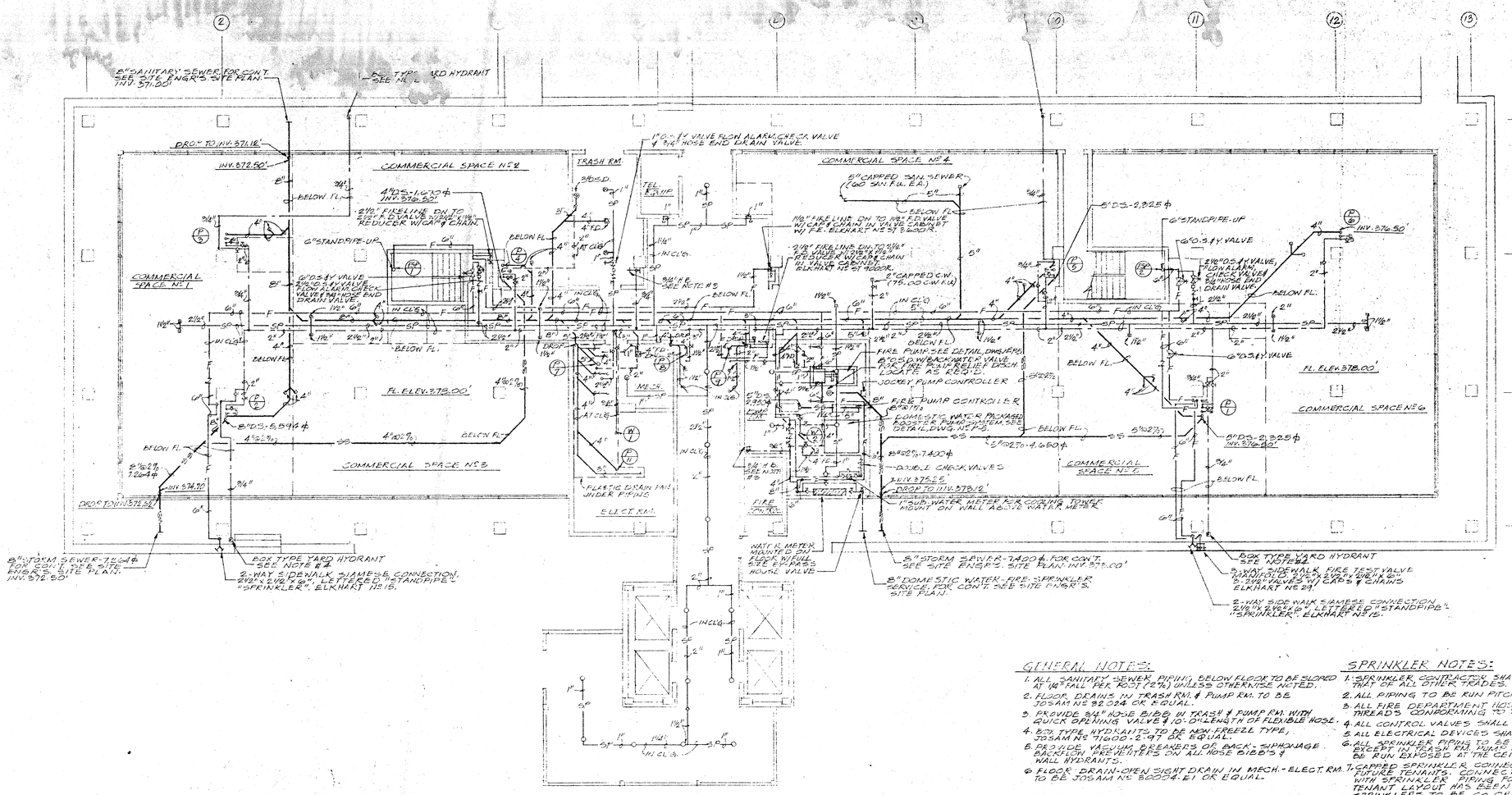
1-10-79 - FOR CONSTRUCTION

date 1-10-79

job number 77057

sheet number P-2

checked 3-1-79



FIRST FLOOR PLAN

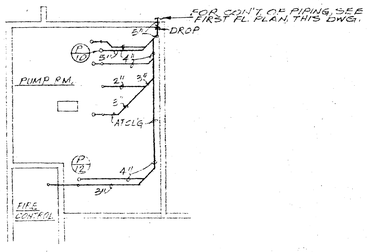
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL SANITARY SEWER PIPING BELOW FLOOR TO BE SLOPED AT 1/8" FALL PER FOOT (1%) UNLESS OTHERWISE NOTED.
2. FLOOR DRAINS IN TRASH RM. & PUMP RM. TO BE JOSAM N° 32 024 OR EQUAL.
3. PROVIDE ¾" HOSE BIBB IN TRASH & PUMP RM. WITH QUICK OPENING VALVE & 10' OR LENGTH OF FLEXIBLE HOSE.
4. BOX TYPE HYDRANTS TO BE NON-FREEZE TYPE, JOSAM N° 71000 - 2 - 97 OR EQUAL.
5. PROVIDE VACUUM BREAKERS OR BACK-SIPHONAGE BACKFLOW PREVENTERS ON ALL HOSE BIBBS & WALL HYDRANTS.
6. FLOOR DRAIN-OPEN SIGHT DRAIN IN MECH.-ELECT. RM. TO BE JOSAM N° 86004-E1 OR EQUAL.

SPRINKLER NOTES:

1. SPRINKLER CONTRACTOR SHALL CO-ORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
2. ALL PIPING TO BE RUN PITCHED TO DRAIN.
3. ALL FIRE DEPARTMENT HOSE CONNECTIONS SHALL HAVE THREADS CONFORMING TO THOSE OF THE LOCAL FIRE DEPARTMENT.
4. ALL CONTROL VALVES SHALL BE INSTALLED WITH TAMPER SWITCHES.
5. ALL ELECTRICAL DEVICES SHALL BE COMPATIBLE WITH FIRE ALARM SYSTEM.
6. ALL SPRINKLER PIPING TO BE RUN CONCEALED ABOVE THE CEILING EXCEPT IN TRASH RM., PUMP RM. & MECH. ROOM WHERE PIPING IS TO BE RUN EXPOSED AT THE CEILING.
7. CAPPED SPRINKLER CONNECTIONS HAVE BEEN PROVIDED FOR FUTURE TENANTS. CONNECT TO THESE CAPPED CONNECTIONS WITH SPRINKLER PIPING FOR TENANT AREA AFTER FINAL TENANT LAYOUT HAS BEEN DETERMINED. FINAL LAYOUT OF SPRINKLERS TO BE CO-ORDINATED WITH LIGHTING LAYOUT & WITH THAT OF ALL OTHER TRADES.



PART PLAN - PUMP ROOM SHOWING SEWER PIPING AT CL'G.

SCALE: 1/8" = 1'-0"

Bucher Meyers Associates Inc. Architects

MONTROSE CENTER OFFICE BUILDING, ROCKVILLE, MD.

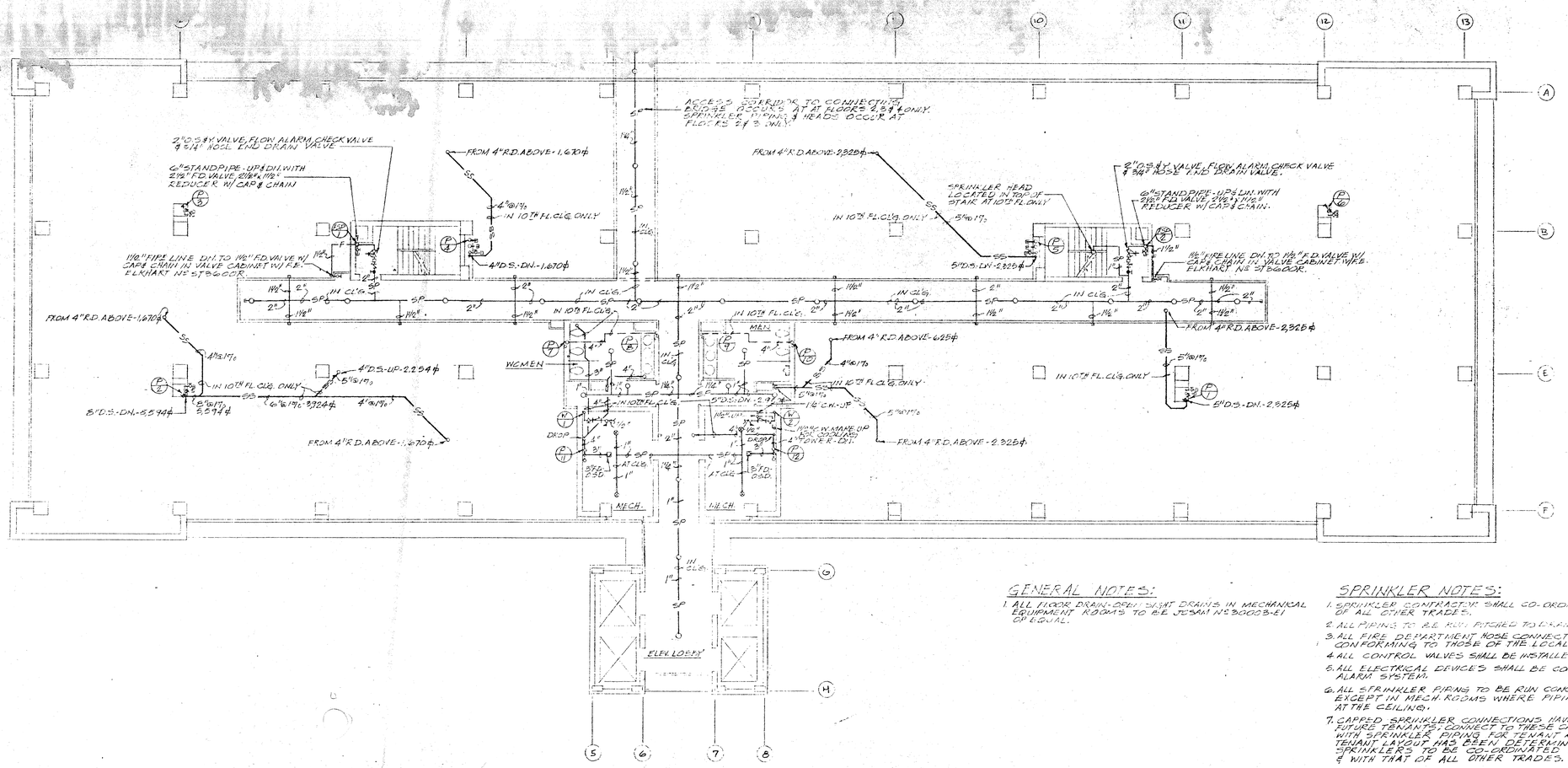
FIRST FLOOR PLAN

date	revisions	own by
3/12/79	FOR CONSTRUCTION	

date 1-10-79

job number 77057

sheet number P-3



TYPICAL FLOOR PLAN (2ND THRU 10TH FLOORS)

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL FLOOR DRAIN-OPEN SIDE SIGHT DRAINS IN MECHANICAL EQUIPMENT ROOMS TO BE JOSAM NO. 30003-E1 OR EQUAL.

SPRINKLER NOTES:

1. SPRINKLER CONTRACTOR SHALL CO-ORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
2. ALL PIPING TO BE RUN PITCHED TO DRAIN.
3. ALL FIRE DEPARTMENT HOSE CONNECTIONS SHALL HAVE THREADS CONFORMING TO THOSE OF THE LOCAL FIRE DEPARTMENT.
4. ALL CONTROL VALVES SHALL BE INSTALLED WITH TAMPER SWITCHES.
5. ALL ELECTRICAL DEVICES SHALL BE COMPATIBLE WITH FIRE ALARM SYSTEM.
6. ALL SPRINKLER PIPING TO BE RUN CONCEALED ABOVE THE CEILING, EXCEPT IN MECH. ROOMS WHERE PIPING IS TO BE RUN EXPOSED AT THE CEILING.
7. CAPPED SPRINKLER CONNECTIONS HAVE BEEN PROVIDED FOR FUTURE TENANTS. CONNECT TO THESE CAPPED CONNECTIONS WITH SPRINKLER PIPING FOR TENANT AREA AFTER FINAL TENANT LAYOUT HAS BEEN DETERMINED. FINAL LAYOUT OF SPRINKLERS TO BE CO-ORDINATED WITH LIGHTING LAYOUT & WITH THAT OF ALL OTHER TRADES.

F 11

Bucher Meyers + Associates Inc. Architects AIA

MONTROSE CENTER OFFICE BUILDING, ROCKVILLE, MD.

TYPICAL FLOOR PLAN (2ND THRU 10TH FLOORS)

date	revisions	dwn by

2/19/79 FOR CONSTRUCTION

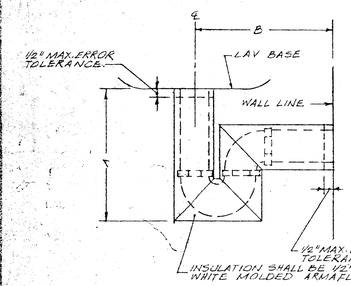
date 1-10-79

job number 77057

sheet number P-4

check set 3-1-79

LAVATORY		1/2"	1/4"	1/4"	FLUSH VA
LAVATORY		1/2"	1/8"	1/8"	HAND
URINAL	2"	1/2"	1/2"	1/2"	COUNTER
MOP RECEPTOR	5"	2"	1/2"	1/2"	HANDICAPPED CO
ELECTRIC WATER COOLER	1 1/2"	1 1/2"	1/2"		FLUSH VALVE
					WHEEL CHAIR TYPE/WALL HUNG
					FLOOR SET

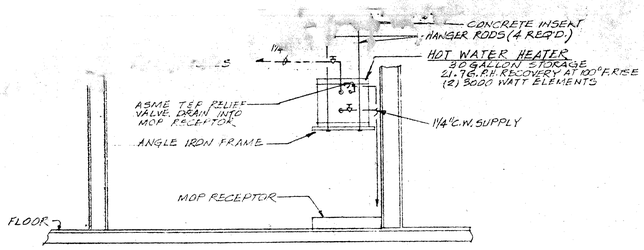


TRAP INSULATION for HANDICAPPED LAVATORIES
NO SCALE

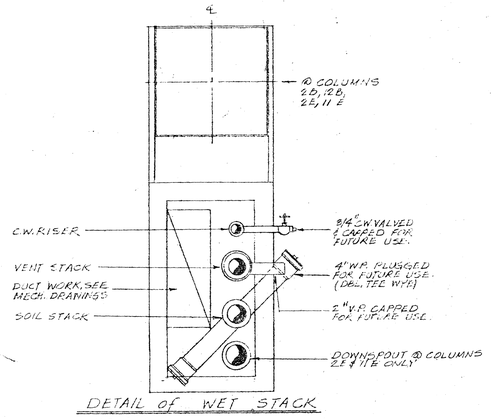
NOTES:
1. PLUMBING CONTRACTOR SHALL CO-ORDINATE DIMENSIONS A & B WITH INSULATION CONTRACTOR TO INSURE THAT INSULATION EXTENDS FROM LAVATORY TO FINISHED WALL. A MAXIMUM ERROR TOLERANCE OF 1/2" OF EXPOSED PIPING WILL BE PERMITTED.
2. PROVIDE INSULATION ON HOT WATER SUPPLY PIPE TO LAVATORY.

PLUMBING SYMBOL LIST

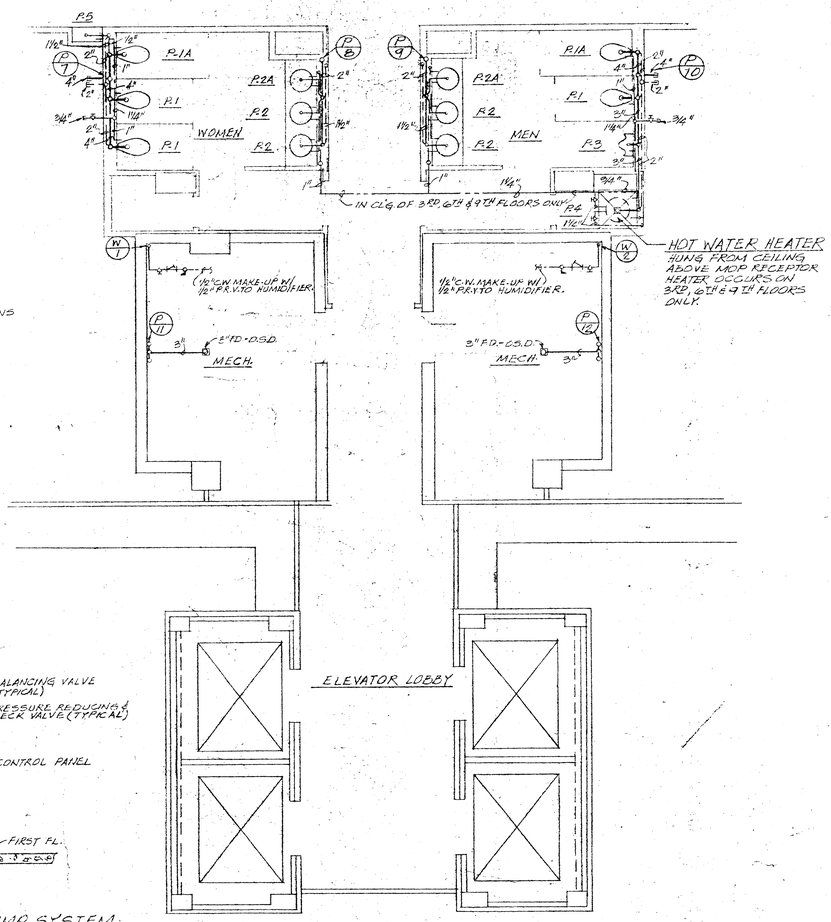
	SOIL OR WASTE PIPING
SS	STORM SEWER
	VENT PIPING
	COLD WATER
	HOT WATER
F	FIRE LINE
SP	SPRINKLER PIPING
	O.S.&Y. VALVE
	GATE VALVE
	CHECK VALVE
	FLOOR DRAIN/ROOF DRAIN
O.S.D.	OPEN SIGHT DRAIN
	FIRE STANDPIPE W/2 1/2" F.D.VALVE, 2 1/2" x 1 1/2" REDUCER, W/CAP & CHAIN
	CAPPED CONNECTION
	TEMPERATURE & PRESSURE RELIEF VALVE
	HOSE BIBB
	SIAMESE CONNECTION
	FIRE TEST MANIFOLD W/(2) 2 1/2" F.D. VALVES W/CAPS & CHAINS
	UPRIGHT TYPE SPRINKLER HEAD
	PENDANT TYPE SPRINKLER HEAD
	FLOW ALARM
	HOSE END DRAIN VALVE
	STRAINER
P.R.V.	PRESSURE REDUCING VALVE
	BOX TYPE YARD HYDRANT
	STORM SEWER PIPING BELOW FLOOR IN GARAGE BY SITE ENG'R.



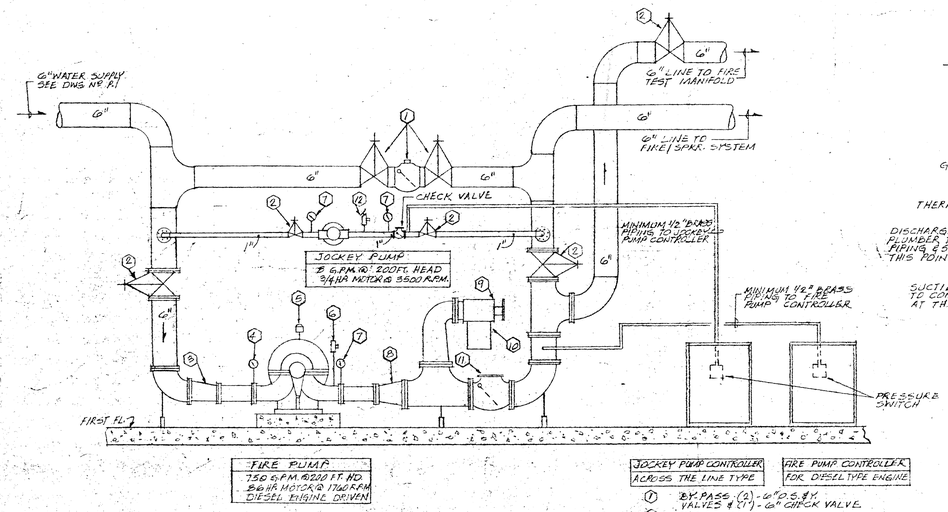
DETAIL of HOT WATER HEATER
NO SCALE



DETAIL of WET STACK
NO SCALE

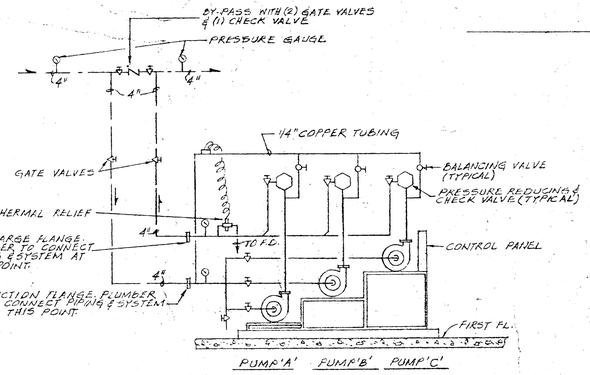


TYPICAL FLOOR PLAN - CORE AREA
SCALE: 1/4" = 1'-0"



JOCKEY PUMP CONTROLLER ACROSS THE LINE TYPE	FIRE PUMP CONTROLLER FOR DIESEL TYPE ENGINE
(1)	BY-PASS (2) - 6" O.S.&Y. VALVES & (1) - 6" CHECK VALVE.
(2)	O.S.&Y. VALVE
(3)	ECCENTRIC REDUCER
(4)	COMPOUND GAUGE
(5)	AUTO AIR RELEASE
(6)	CASING RELIEF VALVE
(7)	PRESSURE GAUGE
(8)	CONCENTRIC INCREASER
(9)	MAIN RELIEF VALVE
(10)	RELIEF CONE
(11)	6" CHECK VALVE
(12)	GATE VALVE

⚠ PIPING DETAIL of FIRE PUMP
NO SCALE



DETAIL of PACKAGED BOOSTER PUMP SYSTEM
SEE DWG NO. P.1 — NO SCALE

PUMP 'A' 38 G.P.M. AT 92 FT. HEAD. 3 H.P. MOTOR AT 3500 R.P.M.

PUMP 'B' 76 G.P.M. AT 92 FT. HEAD. 5 H.P. MOTOR AT 3500 R.P.M.

PUMP 'C' 76 G.P.M. AT 92 FT. HEAD. 5 H.P. MOTOR AT 3500 R.P.M.

Bucher Meyers Associates P.A. Architects

MONTROSE CENTER OFFICE BUILDING, ROCKVILLE, MD.

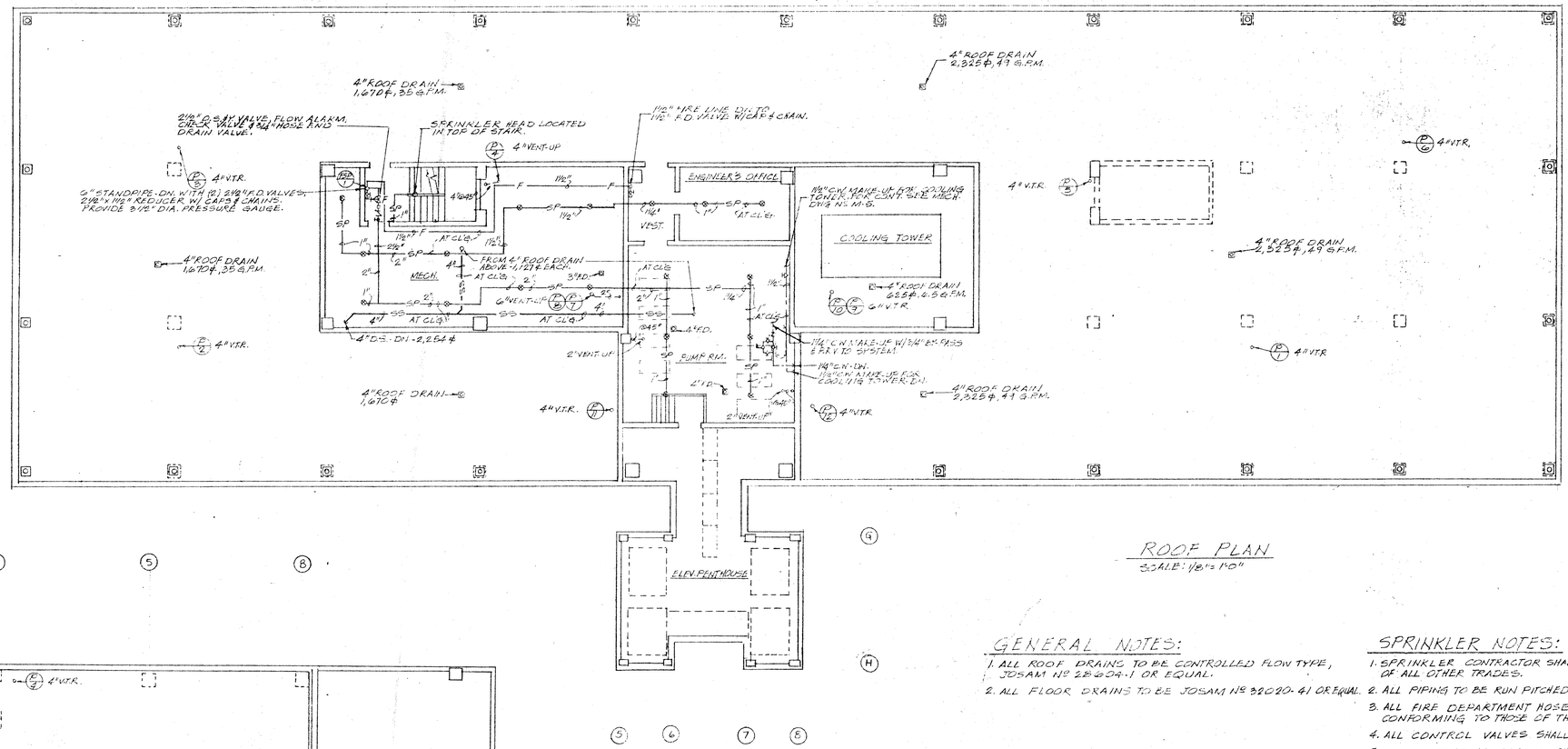
TYPICAL FLOOR PLAN-CORE AREA, DETAILS, SYMBOLS

date	revisions	chk'd by
1-10-79	⚠ REVISED FIRE PUMP DETAIL	EL

3/19/79 - FOR CONSTRUCTION

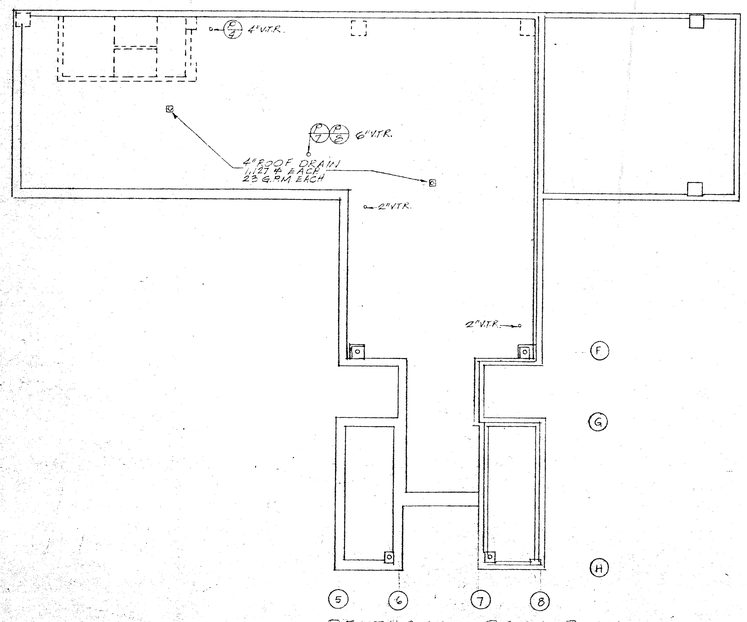
date 1-10-79
job number 7705?
sheet number P-5

3-1-79



ROOF PLAN

SCALE: 1/8" = 1'-0"



PENTHOUSE ROOF PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL ROOF DRAINS TO BE CONTROLLED FLOW TYPE, JOSAM Nº 28604-1 OR EQUAL.
2. ALL FLOOR DRAINS TO BE JOSAM Nº 32090-41 OR EQUAL.

SPRINKLER NOTES:

1. SPRINKLER CONTRACTOR SHALL CO-ORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
2. ALL PIPING TO BE RUN PITCHED TO DRAIN.
3. ALL FIRE DEPARTMENT HOSE CONNECTIONS SHALL HAVE THREADS CONFORMING TO THOSE OF THE LOCAL FIRE DEPARTMENT.
4. ALL CONTROL VALVES SHALL BE INSTALLED WITH TAMPER SWITCHES.
5. ALL ELECTRICAL DEVICES SHALL BE COMPATIBLE WITH FIRE ALARM SYSTEM.
6. ALL SPRINKLER PIPING TO BE RUN EXPOSED AT CEILING.

Bucher Meyers Associates Inc. Architects

MONTROSE CENTER OFFICE BUILDING, ROCKVILLE, MD.

ROOF PLAN & PENTHOUSE ROOF PLAN

date	revisions	dwn by

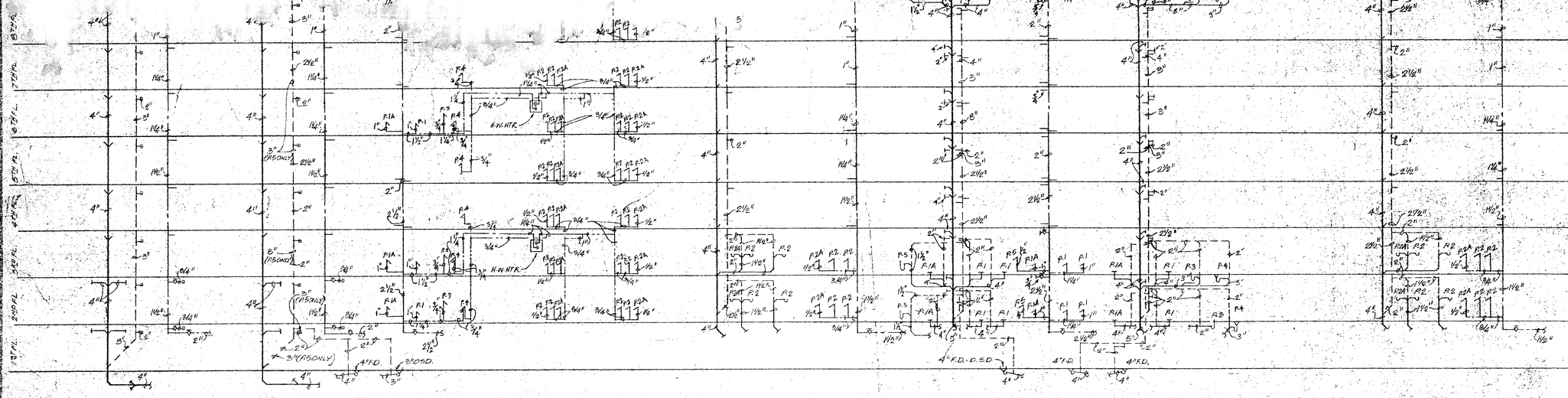
3/12/79 - FOR CONSTRUCTION

date 1-10-79

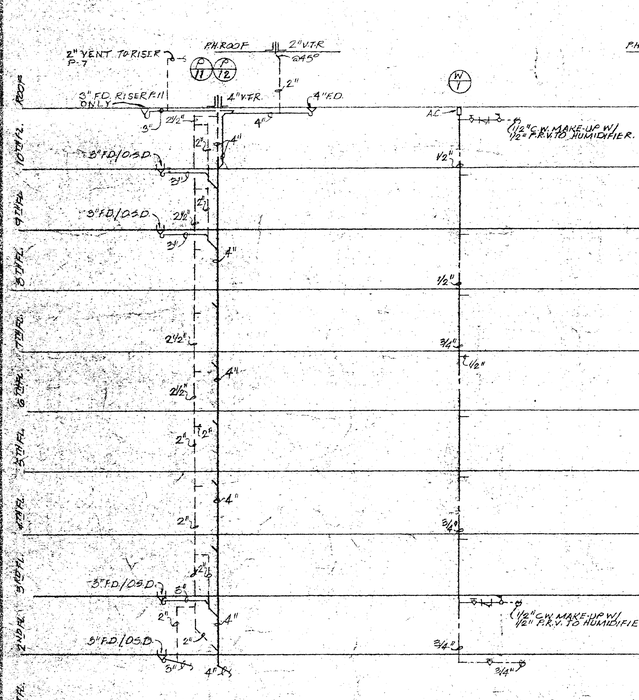
job number 77057

sheet number P-6

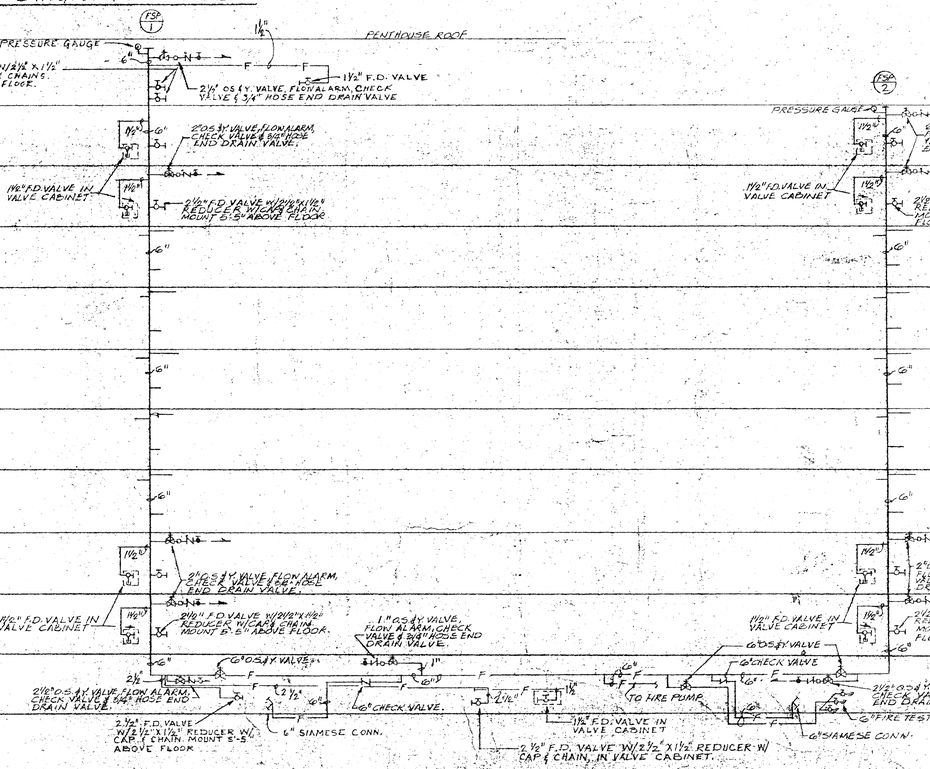
3-1-79



PLUMBING RISER DIAGRAMS NO SCALE



PLUMBING RISER DIAGRAMS NO SCALE



FIRE PROTECTION SYSTEM RISER DIAGRAM NO SCALE

Bucher Meyers Associates / GA Architects / AIA

MONTROSE CENTER OFFICE BUILDING ROCKVILLE, MD.

PLUMBING RISER DIAGRAMS; FIRE PROTECTION SYSTEM RISER DIAGRAM

date	revisions	drawn by

5/10/79 - FOR CONSTRUCTION

date 1-10-79

job number 17057

sheet number P-7